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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison *Member Audit Bureau of Circulations*

THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 140
Number 23

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December 8, 1941

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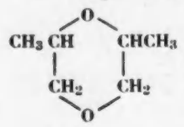


. . . is a colorless liquid, and is useful as a general extractant and as a solvent for dyestuffs, oils, fats, waxes, and cellulose derivatives. Its physical properties include: specific gravity, 0.9268; boiling point, 117.5°C.; vapor pressure at 20°C., 15.4; flash point, 75°F.; solubility in water, 4.32 per cent by weight.

Triglycol Dichloride

$ClC_2H_4OC_2H_4OC_2H_4Cl$

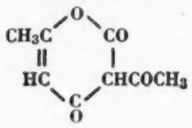
. . . may be useful as a high-boiling (241.3°C.) chlorinated solvent and extractant, and as an intermediate for making dyes, resins, or insecticides. It is less volatile than dichlorethyl ether and dichlorethyl formal which it resembles in most of its other properties. Its specific gravity is 1.1974; its vapor pressure, 0.06 mm. at 20°C.; its solubility in water, 1.9 per cent by weight.

Diisopropanolamine

$(CH_3CHOHCH_2)_2NH$

. . . is a somewhat viscous liquid with a boiling point of 116°C. at 5 mm. Its derivatives have greater solubility in organic solvents than those of diethanolamine which it resembles in most of its properties. It is potentially useful in the manufacture of emulsifying agents for polishes, textile specialties, leather compounds, insecticides, cutting oils, and water paints. It has a specific gravity of 1.0089, and is completely miscible with water.

"Dehydranone" (Dehydracetic Acid)



. . . is a white, solid, camphor-like plasticizer, compatible with nitrocellulose, polystyrene, methacrylate, and "Vinylite" resins. Its multiplicity of carbonyl groups makes it a promising intermediate in chemical syntheses. Its physical properties include: melting point, 108°C.; vapor pressure at 20°C., less than 0.1 mm.; solubility in water, 0.1 per cent by weight.

VERSATILE NEW CHEMICALS *For Research Investigation*

THIS is the second group of interesting new chemicals recently made available in limited quantities. Brief descriptions and suggested uses are given at the left.

Because of their wide range of possible applications, these new synthetic organic chemicals merit thorough investigation. Here is a new high-boiling solvent . . . a potentially useful emulsifying agent . . . a low-boiling cellulose ester solvent . . . an unusual solid plasticizer. Other applications for these materials and how they can be used profitably in your plant may be determined in your own laboratory.

While the present supply is strictly limited, it is possible that commercial quantities will be made in the future if important uses develop.

Quotations will be furnished upon request.

For information concerning the use of these chemicals, address:

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Unit of Union Carbide and Carbon Corporation

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Volume 140 | December 8, 1941 | Number 23

Dry Colors Ceiling Basis Disclosed

OPD Washington Bureau
December 4, 1941

Maximum prices for organic and inorganic dry colors, established for the last quarter of 1941 by individual agreements between the Office of Price Administration and all of the large producers at the levels prevailing October 1, were announced today by the OPA. All of the major producers have agreed to maintain these prices, OPA officials said today, and the feeling is that the agreements will be extended and these maxima adhered to for the first quarter of 1942.

The industry is cooperating 100 percent to maintain the prices set in the agreements, it was stated at the OPA, and this is one reason why it is not felt necessary to issue a formal price schedule for the dry colors at the present time.

The list issued today contains all of the basic colors. Those not included in the list, it was explained, are specialty items which are manufactured in small quantities only. While there has been no definite announce-

—Continued on page 65

Asphalt Maximum Prices Established

OPD Washington Bureau
December 1, 1941

A schedule of maximum prices on asphalt and tarred roofing products was announced today by the Office of Price Administration. The schedule, which will go into effect December 12, reduced prevailing prices by amounts generally 5 to 10 percent.

The schedule applies to the Eastern area the shipping points, freight equalization system and allowance methods presently in effect in the asphalt or tarred roofing products industry, including the customary practice of free deliveries in free shipping zones. Specific prices are provided with respect to all standard products sold in the Eastern area. Non-standard items, according to the schedule, shall not sell above the levels prevailing on June 29, 1941.

Because OPA has not completed its study of factors peculiar to the Pacific coast, the schedule does not set specific ceiling prices for asphalt or tarred

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Chemicals Used In Textile Cones, Tubes

OPD Washington Bureau
December 3, 1941

An amendment to Preference Rating Order P-53, issued today by the Priorities Division, includes within the terms of the order the cones, tubes, and spools used in the operation of textile mills. The preference rating of A-10 may now be applied to the acquisition of the necessary materials by producers of these essentials.

These articles, normally manufactured from paper, include large quantities of scarce chemicals, a situation which recently has made their production difficult. Monthly requirements of chemicals for paper cones are:—1,200 to 1,400 pounds of alcohol; 5,000 to 6,000 pounds of butyl acetate; 1,500 to 1,900 pounds of butanol; 1,800 to 2,000 pounds of ethyl acetate; 750 to 900 pounds of acetone, and 7,000 to 8,750 pounds of nitrocellulose.

Tubes require monthly an estimated 45,000 pounds of alcohol, 32,000 pounds of phenol, and 32,000 pounds of formaldehyde.

Preference Rating Order P-53, issued on September 13, 1941, covers producers of spare parts for the maintenance of textile machinery.

Marine Paint Makers Given A-3 Rating

OPD Washington Bureau
December 5, 1941

Manufacturers of marine paints have been accorded the use of preference rating A-3 to obtain necessary raw materials, by order of the Division of Priorities.

Materials used in marine paints have become increasingly scarce, and today's preference order was issued to avoid the possibility that ships might be delayed by lack of paint necessary to keep them in proper condition.

To qualify for use of a preference rating under order P-65, a producer of marine paint must supply to the

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George Beal Gets Remington Medal

The twentieth impression of the Remington Honor Medal was presented December 4 by the New York branch of the American Pharmaceutical Association to Dr. George D. Beal,, assistant director of Mellon Institute of Industrial Research. Dr. Beal received pharmacy's highest award for his work in pharmacopeial standardization of organic chemicals.

The medal was presented to Dr. Beal at a dinner meeting of the A.Ph.A. branch by Dr. Curt P. Wimmer, a former president of the branch, who had been a classmate of the medalist in postgraduate work in chemistry at Columbia University. Prof. Marston T. Bogert recalled in his characteristically happy manner the student days of George Beal at Columbia, and Dr. R. E. Rindfusz, similarly happily, recounted stories of the medalist's association with and captivation of the chemistry staff at the University of Illinois.

Particular details of Dr. Beal's contributions to pharmacal standardization were recited by Dr. E. F. Kelly, secretary of the American Pharmaceutical Association, who had been his collaborator in the establishment of the laboratory in the American Institute of Pharmacy. The work of

—Continued on page 60

Priorities Procedure Explained At Protective Coatings Clinic

OPD Washington Bureau, December 3, 1941

Present facts and future possibilities affecting supplies, manufacturing and distribution in the protective coatings industry in the current national emergency were revealed at a priorities clinic held here yesterday and today under the auspices of the National Paint, Varnish and Lacquer Association. Informal presentations by technical and legal men from OPM and member questions dealt with pigments, chemical materials, procedural matters and management practices. The new titanium oxide plan, the repair and maintenance order and a forthcoming order concerning marine paints were among the leading topics. The new production requirements plan for simplification of priority applications was not discussed, inasmuch as it was officially issued only at adjournment time. George H. Priest, jr., priorities consultant for the association, conducted the clinic, with Ernest T. Trigg, president, opening and closing the sessions. More than 150 manufacturers and supply men attended, and obtained clarification of many phases of procedure.

Conclusions of the Clinic

In addition to factual revelations, the clinic developed certain conclusions which can be high-lighted as follows:—

1. If there are no further restrictions, the paint and varnish industry has an opportunity to go forward, both in meeting defense requirements and civilian market needs. Replacement materials and research ingenuity will greatly aid in this.

2. OPM procedure is not generally understood, and the country has no real grasp of the size of the defense effort or of the problems involved. Interested individuals should study and master Regulation No. 1 and familarize themselves with the critical list. Regulation No. 1 is the basic document governing all transactions, and without full understanding of it confusion will result.

3. Manufacturers and suppliers should study orders in the light of their own individual needs. Thorough understanding of orders should obviate trouble, but if there is ambiguity, they should consult local OPM offices or write Washington. They should deal with specific cases, specific problems and tell the entire story. Industry specialists are available to handle all such matters.

4. Manufacturers and suppliers should consult their own attorneys regularly, keep proper records and maintain such documentary evidence as they and their attorneys deem necessary. There is no OPM regulation on the extent of evidence.

5. When in doubt, let OPM decide.

6. OPM's chief objectives are to simplify procedure as greatly as possible, to provide for the needs of all on as equitable a basis as possible in view of obviously tightening conditions, to provide a free flow of residual materials after defense requirements are met, to build up a system of control within industry by cooperation, and to generally guard against undue hardships to everyone.

7. Stricter enforcement is coming of regulations against hoarding, which means a proper keeping of inventory records.

8. Allocations will be held down as far as possible, inasmuch as the administration of an allocations system would present even more difficulties than priorities ratings.

Titanium Oxide Order

The titanium oxide order, M-44, was presented by Fairfax Leary, legal consultant of the protective coatings division, as being an order exemplifying the desire to provide the freest possible flow of residual supplies under an industry's own direction. There are only two restrictions:—

First, only when a producer has more orders than he can fill does he resort to allocation; second, no producer can create his defense pool by cutting off former customers entirely.

A manufacturer should be able to get in any one month 80 percent of one-twelfth of his former annual supply if he meets credit requirements. This order was worked out on the industry committee procedure basis. Changes and interpretations are possible as need arises. A manufacturer must show certificates of basic poundage for the yearly base period, November 1, 1940, to October 31, 1941. He can give twelve certificates covering 1942, but if his picture should change he should be careful to withdraw the certificate for the month or months in question to avoid a possible charge of falsification.

An effort will be made under the undue hardship policy to protect those with an inadequate prior purchase record, if they can demonstrate that continued use of the material is necessary to public welfare.

When a producer has filled 20 percent of defense orders he can refer a later defense order back to the manufacturer with the request that he apply to other suppliers who have not used up their percentage. The manufacturer can use these other suppliers or he can elect to fill his defense order out of his regular 80 percent allotment. A manufacturer does not have to reveal to one producer the names of others with whom he is dealing.

Success of the plan, it was pointed out by Mr. Leary, depends on industry cooperation. Violations subject the person to perjury charges, with possible fines and jail sentences, and also to deprivation of further titanium oxide supplies as well as of other materials subject to order.

A producer cannot turn down a customer because of lack of a contract. Such a customer, if necessary, may apply to OPM on PD-145, which form

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Priorities Scheme Revised For 1942 First-Quarter Needs

OPD Washington Bureau December 3, 1941

The new Production Requirements Plan for granting priority assistance to manufacturers engaged in essential production was issued today by the OPM Division of Priorities.

The new procedure is designed to help manufacturers of products needed for defense or essential civilian use to obtain priority ratings which will cover their materials requirements for three months at a time. Under the new plan, the number of separate applications for priority assistance to expedite single orders will be reduced to a minimum. Applications filed in accordance with PRP will contain information needed by the Office of Production Management for a clear picture of existing inventories and prospective needs for scarce materials.

A manufacturer who applies for priority assistance under PRP will show the type and volume of products he has been making, their use in relation to defense or essential civilian needs, the amount of scarce materials he has on hand, and the additional amounts he will require to fill his production schedule for the next calendar quarter. In determining what priority may be granted to the applicant, the Priorities Division will take into account (1) the amount of defense or essential civilian production involved, (2) the end use of the products, (3) the materials required for production, (4) the overall policies of the Supply Priorities and Allocations Board, and (5) the recommendations of the appropriate industrial branches of the Office of Production Management. After considering all these factors, the Priorities Division will be able to grant the manufacturer a preference rating or ratings, geared to his needs and the importance of his products, which can be used continuously over a calendar quarter to obtain critical materials.

Ratings Based on Needs

Ratings under the new plan may apply to all or to any specified part of the producer's materials requirements. If all the products covered in his application are destined for defense or essential civilian use, he may be given a priority rating covering 100 percent of his needs. In other cases the rating may apply only to

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OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals, oils, and drugs is currently as follows:—

Dec. 5, 1941.	Nov. 28, 1941.	Dec. 6, 1940.
137.6	**135.5**	**106.3**

Essential oils and aromatic chemicals were strongly boosted last week; drugs and fine chemicals and botanical drugs, spices, and gums are noticeably higher than in the preceding week. Oils, fats, and waxes are up a little. Other groups are unchanged.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Silicate Prices Renewed

A leading producer of soda silicate and soda metasilicate is extending current contract prices to cover first quarter shipments.

Defense Materials Price-Index Trend

There was little change in markets for strategic and critical materials during the last week in November. Although prices of mercury advanced $1.00 per flask, the Bureau of Labor Statistics' index for strategic materials remained unchanged at 143.3 percent of the August, 1939, average. Index numbers of market prices of strategic and critical materials are:—

(August 1939=100)

1941.	Strategic.	Critical.
November 22	143.3	116.8
November 29	143.3	116.8

Bids Wanted

Gases, Compressed:—Supplies of; City of New York, opening December 15.

Insecticide Ingredient:—5,000 gallons; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 2952, opening December 11.

Paint Thinner:—1,000 gallons; U. S. Engineer Office, Custom House, Philadelphia; invitation 805, opening December 8.

Serums:—Supplies of; City of New York; opening December 15.

Soda Hexametaphosphate:—10,000 pounds; Quartermaster, Camp Davis, N. C.; procurement 273-69, opening December 11.

Soda Oxalate:—32,150 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 2950, opening December 11.

Sulphuric Acid:—9,000 pounds; Contracting Officer, Engineer Board, Fort Belvoir, Va.; invitation 20, opening December 10.

Sulphuric Acid:—10,000 pounds; Commanding Officer, McClellan Field, Calif.; invitation 742-42-225, opening December 18.

Obituaries

Dr. Thomas H. Norton

Dr. Thomas H. Norton, an authority on synthetic resins and a pioneer in the American dyestuff and nitrates industries, who had been affiliated with the American Cyanamid Company, died in his home in White Plains, N. Y., December 2. He was ninety years old.

Dr. Norton's career began with graduation from Hamilton College in 1873 followed by study abroad under Bunsen and Kirchoff leading to the degree of Ph.D. in 1875 from the University of Heidelberg. Later he also studied at the Universities of Berlin and Paris. For a time he was in charge of a dye plant at St. Denis, outside Paris, before his return to the United States in 1883. In that year he became professor of chemistry at the University of Cincinnati, a post which he held until 1900, when he entered the U. S. Consular service.

He served as U. S. consul at Harbut, Turkey, at Smyrna and later at Chemnitz, Saxony. Before leaving Chemnitz in 1914, he prepared for the U. S. Department of Commerce an extensive report on the utilization of Atmospheric Nitrogen, the only authoritative compilation of this important subject at that time. Subsequently, Dr. Norton's Census of Dyes provided vital information required in the building of the American synthetic organic chemical industry. Dr. Norton was editor of *Chemicals* from 1920 to 1929 and joined the staff of American Cyanamid Company in 1930.

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Chemical Price Level Bulges

There was a return last week to the recent upward trend in the price movement of chemicals and related materials. The returning boost was almost wholly among the relateds, botanicals and essential oils contributing the most. Apparently OPA does not rate very much among quicksilver sellers, because the price of that metal was again hoisted.

No yearend tapering-off has yet become noticeable, and it is expected that there will be little, if any, because of the influence of defense buying. As almost every seller is booked up for every pound or gallon of everything he has, the only tapering might be in deliveries, brought about by inability physically to keep up the pace of these days. Buyers in civilian fields apparently are becoming resigned to unobtainableness, or relegated to an increasingly lengthening waiting line—anyhow they are not doing so much asking for materials.

Prices were advanced on quicksilver, cyanide and nitrate of silver fluorspar, dichlorobenzenes, coconut, corn, cottonseed, and peanut oils, candelilla wax, cocoa butter, digitalis, goldenseal, rhubarb, Mexican saffron, gum rosin, juniper tar, blood albumen, imported dried blood, sweet almond oil, and bergamot and several other essential oils.

Prices were reduced on belladonna root, castor beans, cassias, Hungarian chamomile, cinchona, domestic clover tops, gentian, gingers, ipecac, teaseed oil, citronella oils, gum and steam-distilled wood turpentines, and tapioca flour.

The result of the changes is shown in the *OPD Price Index* at the top of the column on the left.

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Price-Control Bill Passed by House

OPD Washington Bureau
December 4, 1941

The utter confusion surrounding price-control legislation has been increased rather than lessened by the approval by the house of a bill so amended and chopped up as to be worse, from the standpoint of the administration, than no bill at all. However, the mere passage of any bill by the house is expected to provide a framework upon which the senate can build. The final bill will be written in conference after senate passage of its version of price-control. In this manner the administration will probably get legislation much more to its liking, if all of its aims are not realized. Senate hearings on price-control have been set for December 9.

Major provisions of the house proposal are as follows:—

1. Establishment of a Price-Control Administration, the administrator to be appointed by the President and confirmed by the senate.
2. Creation of a five-man Board of Administrative Review, also to be appointed by the President and confirmed by the senate, with full authority to overrule all decisions and actions of the administrator. This board to be free and independent of the administrator.
3. The administrator is given author-

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Lloyd Succeeds Brady With Wilson Laboratories

Lyman S. Lloyd, who has represented Wilson Laboratories in Philadelphia for a number of years, has been given also the company's representation in the New York territory, in succession to the late James Brady.

Lyman S. Lloyd

He will divide his time between the two stations, spending three days a week at the New York office, 816 First avenue.

Mr. Lloyd is well known in Philadelphia chemical circles, having been associated with Alex Ferguson & Co. for some twenty years.

Cobalt Buying Eased For Small Users

OPD Washington Bureau
December 5, 1941

Users of cobalt who require less than 50 pounds a month were today relieved of the necessity of filing monthly request forms, in a supplement to order M-39 issued by the Director of Priorities. All other provisions of order M-39 remain in effect, and users of Cobalt were warned that attempts at evasion would result in revocation of the exemption.

The purpose of the amendment is to relieve small consumers. Principally in the chemical field, of the burden of constant reporting.

McGraw Made Odlum Aide

William McGraw, of Dallas, Tex., has been appointed special assistant to director Floyd B. Odlum, of the contract distribution division of the Office of Production Management.

Proprietary Group Discusses Shortages

Acute shortages of important drugs and presentation of a list of possible replacement materials featured the discussions at the mid-year meeting of the scientific section of the Proprietary Association, held December 3 in the Hotel Biltmore, this city.

A list of fifty-eight crude drugs which are in short supply or unavailable was given by E. C. Merrill, of the United Drug Company. He stressed the shortage in belladonna and said the difficulties with zinc were having far-reaching effects. Other important items, shortage in which was pointed out by Mr. Merrill, included nicotinamide, licorice, theobromine and ethyl alcohol. He recommended that under present emergency conditions action should be taken by revision committees in charge of these drugs and medicinal

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Dr. Herwick Made Head Of Drug Div. of F.D.A.

OPD Washington Bureau
December 3, 1941

Dr. Robert P. Herwick has been selected to head the Drug Division of the Food and Drug Administration

Dr. R. P. Herwick

to carry on the drug and medical work formerly under the direction of Dr. Theodore Klumpp

Dr. Herwick obtained a B. S. degree in chemistry from Pennsylvania State College, M. S. and Ph.D. degrees in pharmacology and chemistry from the University of Wisconsin, an M. D. degree from Rush Medical School, and a law degree from Georgetown University. Before en-

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Mifflin Alcohol Tax Upheld by Appeals Court

Philadelphia, Dec. 2, 1941

The United States Circuit Court of Appeals for the Third Circuit (Judges Clark, Jones, and Goodrich sitting) has unanimously confirmed the decision of the district court upholding a tax assessment against the Mifflin Chemical Corporation of $187,488, with interest at 0.5 percent a month from January 15, 1938, for alleged diversion of rubbing alcohol into beverage channels.

In delivering the opinion Judge Goodrich said:—

The district court pointed out and properly emphasized the very considerable growth in the company's sales of this product during the period in question. This should suggest an inquiry to the company's management and, of course, under such circumstances, the failure to investigate will not excuse one from the consequences of what an investigation, if made, would have disclosed. . . . Zito v. United States, 64 F. (2d) 772 (C. C. A. 7, 1933) is a case presenting facts not dissimilar in this respect to the case at bar. The knowledge of the agent in that case was sufficient to charge the company with criminal re-

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Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Charges that political pressure is sabotaging the manganese stockpile program and threatening to jeopardize steel production are currently being made in the capital. Variously referred to as "critical metal No. 1" and "political metal No. 1," manganese is essential in steel production and in normal times is practically all imported, although deposits of low-grade ore abound in the United States. Current contention is that defense planners are temporizing with the situation instead of adopting a sound program to build up a permanent and profitable domestic manganese industry.

Much was heard about manganese in 1938 when Congress authorized the stockpiling of strategic materials, but during the ensuing three years the manganese stockpile has been built up to only about 360,000 tons of the grade specified by the army and navy, and only some 30,000 tons of this is from domestic sources.

The Metals Reserve Company, RFC subsidiary in charge of the buying program, has contracts outstanding for some 1,900,000 tons of domestic manganese, offering a price of around 65 cents a unit to almost anyone who would undertake to produce it. Apparently, however, this price was not sufficient to induce much production of the 48 percent grade usually used in steel production.

The present plan of the MRC, it is said, is to cancel all outstanding contracts and offer to buy 40 percent ore with high content of silicon, iron, and phosphorus. Rumor has it that this was engineered by owners of low-grade deposits who want to avoid the expense of bringing the ore up to grade by such processes as are used in Cuba or by the Anaconda company in Montana; also that this low-grade ore will never be used and the transaction will give the domestic industry a black eye.

Both OPM and OPA have looked into the manganese situation recently, and while their estimates of 1942 needs are somewhat at variance, they agree that we must import at least 600,000 tons from outside this hemisphere, or about double the present rate of such imports. OPA has before it a report of its metals division suggesting that the price of imported manganese be kept at 80 cents or 90 cents a unit but that domestic producers of high-grade ore be paid $1 or $1.25 per unit. Steel companies apparently prefer foreign ore of known qualities rather than to put their dependence on the possibilities of a subsidized domestic industry.

Chemical Bottlenecks

The extent to which the chemical industry is essential for defense can be seen by a glance at the new Materials List No. 1 (see page 3). More than half the items are chemicals or closely related materials. Most of the rest are metals, and modern metallurgy is greatly dependent on chemical processes.

The list doesn't include everything that is or may be scarce or vitally necessary for defense, and not everything on the list is drastically short as yet. But the list includes most of the raw materials for which both defense and civilian industries are scrambling and which OPM feels it is necessary to subject to close rationing through priority control.

Just as the Production Requirements Plan is a sort of practice work-out for the coming allocations system, so this materials list is a pretty good indication of what materials will be subject to allocation when the time comes.

Debt and Taxes

Four weeks from today the President will submit to Congress a budget for the fiscal year 1942-43—and Washington guesses it will be staggering. Prevailing estimates are that it will call for spending around $40,000,000,000 in those twelve months, or about 40 percent of the anticipated national income. Maybe the budget won't call for quite that much, but if the world war continues another eighteen months there is no question that the U. S. will spend that much or more, and deficiency appropriations will supplement the January estimates.

Close to $70,000,000,000 has now been spent or scheduled for defense since the fall of France, and schedules now being prepared and running through 1943 or beyond, call for doubling the total. The public debt, now $55,000,000,000, will soon reach the statutory limit of $65,000,000,000, and the limit may be removed entirely. Last year Secretary Morganthau announced the goal of financing two-thirds of the defense program by taxation, one-third by borrowing, but now it is evident that taxes can't supply half the money.

Taxes now on the books will yield from $13,000,000,000 to $16,000,000,000 in a full year of operation, depending on the level of prices and business activity, and the Treasury is seeking another $5,000,000,000. Congress is reluctant to vote new levies, but probably will have to when it sees the new budget. Several tax schemes are being discussed, all of them unpopular. They include a gross individual income tax to be withheld at the source out of wage and dividend payments; higher normal individual net income tax rates; higher corporation taxes, both normal and excess profits; increases in social security and new payroll taxes; tightening loopholes in administrative provisions of old revenue laws; and high manufacturers' excise taxes on selected commodities. Congress may adopt parts of all these plans in an attempt to spread the burden, though there may be two or three tax bills during the next session.

A Federal retail sales tax is hardly to be expected soon, as the Treasury is saving this as a final, desperate measure to squeeze out the last bit of cash and take a blow at inflation. At any rate, the Treasury will have to borrow at least $20,000,000,000 during the next fiscal year, and it is trying to figure ways of doing this without borrowing too much from banks, as this is highly inflationary through increasing the base for commercial credit.

Defense Program Grows

Lend-Lease aid to Turkey emphasizes the extent of the U. S. worldwide defense program, and also means that much less materials left in the domestic economy. Every ship that reaches the Gulf of Persia, every truck over the Burma road, means taking in another notch in the belt of civilian industry. And the larger the defense program grows, the more essential the government feels it is to regulate business in every respect.

PRP Arrives

The new Production Requirements Plan (see page 3) should be a boon to the accounting profession, if nothing else. In order to fill out form PD-25A and get a blanket preference rating, a manufacturer must have pretty detailed records of his business, particularly inventories during various quarters, and the amount of each raw material going into each product. Particularly difficult will be determining the "end use" of a product in the case of a manufacturer whose product may have many uses and passes through many hands before ultimate consumption.

By the time some manufacturers get through filling out form PD-25A they may turn to their income tax returns for light reading. But once the job is done and a preference rating obtained, the expectation is that there will be little or no further bother with a variety of special priority forms and applications.

—*Continued on page* 51

Chemical Workers Show Increase

Employment Gains 1.3%— Payrolls Decline 2.1%— Both Are Above 1940 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted an increase of 1.3 percent from September 15 to October 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 2.4 percent above the corresponding level of 1939. Payrolls showed a drop of 2.1 percent from September 15 to October 15, and stood 37.3 percent above corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries October 15 was 148.5 (100 equals 1923-25 average), compared with 146.5 for September 15 and 125.4 for October, last year. For payroll totals the index number was 190.7 (same basis), compared with 186.8 for September and 139.3 for October last year.

The bureau's general index numbers for all manufacturing industries April 15, 1940, showed the following comparisons:—

	Oct., 1941.	Sept., 1941.	Oct., 1940.
Employment	135.1	135.3	113.8
Payroll totals	116.7	163.0	116.2

Employment in the chemical group of industries was 7.4 percent above the average of all industries. Payroll totals were 63.4 percent above the general average for industries.

Detailed Comparisons

Employment

(100 = 1923-25 average)

	Oct., 1941.	Sept., 1941.	Oct., 1940.
Chemicals	182.7	182.0	145.6
Cottonseed oil, cake and meal	132.7	115.2	137.2
Druggists' preparations	146.7	143.8	118.3
Fertilizers	103.0	110.2	96.7
Paint and varnishes	144.0	143.9	125.1
Petroleum, refined	128.6	128.5	121.2
Rayon and allied produces	326.4	327.0	311.1
Soap	100.2	98.2	88.6

—*Continued on page* 39

Chemical Show Draws Big Interest

An increase in the number of promising inquiries concerning their products was reported by exhibitors at the biennial chemical show held in the Grand Central Palace, this city, December 1 to 6. Processing and maintenance equipment used by the chemical and allied industries, as in former years, made up the bulk of the exhibits. Chemical manufacturers in the exposition showed developments in synthetic resins, casein and lactate materials obtained as byproducts of the dairy industry, resin emulsions for the impregnation of paper and cloth, synthetic waxes, and a variety of new chemicals recently offered commercially or in pilot plant stages of development.

Exhibits of various chemical manufacturers were as follows:—

Ansul Chemical Company

A display of "Du-Gas" fire extinguishing compound and equipment for use therewith was shown. The company's insecticides were also represented.

Atlas Powder Company

An assortment of mannitol, sorbitol and dulcitol products was exhibited in this booth. Among specific items displayed, in addition to the basic products, were "Arlex," a conditioning agent and softener for flexible glues; "NNO," a spreader for insecticide compositions; "NNOR," a contact insecticide; "Arlacels," mono-oleic esters of hexitans and hexides; and a wide variety of mannitan, mannide, sorbitan, and sarbide derivatives.

American Resinous Products Company

Technical data and general information regarding a number of resin emulsions was available in this space. The emulsions were especially recommended for use in the waterproofing, greaseproofing, sizing, and binding of cloth and paper materials. Products of the Bay State Chemical Company were also shown in this exhibit.

Bakelite Corporation

The use of synthetic resin in defense materials fabrication was emphasized in this display. The properties and charac-

—*Continued on page* 42

To Chemical Buyers of the Nation

Material shortages and delays arising from the National Defense Program and the war abroad are affecting more and more industries every day.

Every effort is being made by Mallinckrodt to keep supplies moving as promptly and completely as possible to the trade but it is increasingly evident that all of us must proceed, for a while at least, with reduced quantities of certain materials.

One way that every user of chemicals can help his country and his company to avoid waste and perhaps irreplaceable loss is to make sure that every shipment received is carefully handled and stored, even though for a short time, under conditions that avoid breakage, spoilage, and contamination.

To help insure instant use when needed in your operations, the Mallinckrodt Chemical Works offers its experience of nearly 75 years in supplying information to help avoid deterioration, etc., caused by improper handling and storage conditions.

Any user is welcome to this information on any item in our list which covers over 1500 fine chemicals including Iodides, Ethers, Bismuth Salts, Salicylates, Bromides, Mercury Salts, Stearates, Silver Salts, Nutgall derivatives and many others.

Write Chemical Storage Dept., 2nd & Mallinckrodt Sts., St. Louis, Mo.

MALLINCKRODT CHEMICAL WORKS

Mallinckrodt Street
St. Louis, Mo.

74 Gold Street
New York, N. Y.

CHICAGO • PHILADELPHIA • TORONTO • MONTREAL

N. A. M. Resolutions Denounce Confusion in Defense Program

The Congress of American Industry of the National Association of Manufacturers, in annual session at the Waldorf-Astoria, elected William P. Witherow, president of the Blaw-Knox Company, Pittsburgh, and chairman of the N. A. M. national defense committee, as president, succeeding Walter D. Fuller, president of the Curtis Publishing Company. Resolutions adopted by the association were concerned with production during the defense period; strikes and national defense; inflation and the cost of living, and taxes. The platform adopted follows:—

Production

Modern wars are wars of machines—of tanks, of guns, of bombs and airplanes and battleships. It is no longer merely army against army; it is farm against farm; it is the production of one country against the production of another country.

If defense is to be speeded up and its cost held down, the existing confusion resulting from the conflicting authority and the overlapping of governmental committees must be ended. There should be a single agency with a single head who has full power to supervise and guide the defense program.

The primary job of this agency would be to speed up the defense program. The government must decide what kind of goods it needs, how many, and when it needs them. Actual production must be left to our factories. That is, industrial management must have the authority and responsibility for turning out the goods.

Second, the defense agency must plan defense production in such a way that it will cause as little hardship as possible to the civilian populatiton and to those small producers not directly concerned with the defense program. Many of our smaller companies are now being forced out of business because they cannot get materials. Much of this is unnecessary. They could be saved by a more careful distribution of available supplies. These small companies are vital to our future. The jobs of millions of our people, not only at present but in the post-war period as well, depend upon their survival. Their destruction would wreck our whole economic system. Everything possible must be done to save them. The creation and development of a great industry may depend upon the preservation today of some little shop in which a man with an idea is beginning to produce a new product.

Third, the agency should recognize that the proposed armament program is so big, the demand so enormous, and speed so urgent, that even if we should all work harder and longer we still might not have enough raw materials and plant facilities to take care of the defense program and at the same time turn out civilian goods as usual. Where there is an actual shortage of materials it should decide how much can be made available for civilian production but—and this is most important—it should not decide how and where these materials are to be used. It should leave open the possibility that American inventiveness will find a substitute or be able to make the material go farther.

Fourth, the agency should see to it that neither business nor government is stampeded into hoarding goods by the fear of future shortages. With an orderly flow of production and sensible buying there is reason to believe many threatened shortages will not occur.

Fifth, the agency should guard against any needless interference with the flow of raw materials. It should not issue priorities or make allocations without a thorough investigation by men experienced in the particular field.

Labor Strikes

Every strike now is a gift to Hitler—paid for by the American people—paid for not only in dollars and cents but in the loss of badly needed defense supplies and civilian goods. We are convinced that the American workingman does not approve of needless work stoppages called by selfish labor leaders. He does not want American labor blamed for slowing up defense.

If we had a clear and fair national labor policy we would not have these strikes and other work stoppages. Labor leaders would not be allowed to take advantage of the emergency—to force unwilling men to join or stay in a union—to establish closed shop monopolies—to insist upon the check-off of union dues and assessments—to carry on rival union fights—to set aside local government and establish mob rule—even to defy the President of the United States himself.

The present situation must be corrected. We need a far-sighted national labor policy that is fair to all.

The foundation of such a policy should be the right to work and the right to employ. The man who wants to work should be just as free to take a job and stay on a job as the man who wants to stop work is free to quit. It is the clear.

—Continued on page 40

Ky. Color Names S. Bonnie President

Sevier Bonnie has been elected president of the Kentucky Color & Chemical Corporation, Louisville, Ky. He succeeds G. A. Goodell who has been elevated to the office of chairman of the board of directors. Mr. Bonnie formerly served as vice-president. Robert P. Bonnie continues as secretary-treasurer.

Sevier Bonnie

W. R. Fritsch was named vice-president in charge of sales. J. D. Todd was made vice-president in charge of production and G. W. Whitesides was elected vice-president and manager of the chemicals department.

Fritz Medal Won By E.L. De Golyer

The John Fritz Medal for 1942 has been awarded to E. L. De Golyer, consulting petroleum engineer, of Dallas, Tex., and deputy for conservation under the Petroleum Co-ordinator Ickes. The award to Mr. De Golyer was made in recognition of his pioneer work in the application of geophysical exploration to the search for oil fields, a technique credited with the discovery of 3,000,000,000 barrels of oil in the United States alone.

The medal, sponsored by the American Society of Civil Engineers, American Society of Mechanical Engineers, American Institute of Electrical Engineers and American Institute of Mining and Metalurgical Engineers, will be presented to Mr. De Golyer on January 14, at a dinner in the Waldorf-Astoria.

In 1940, Mr. De Colyer received the Anthony F. Lucas Gold Medal from the American Institute of Mining and Metallurgical Engineers of which he is a former president.

Shipley Gets Award For York Plan

St. Louis, Dec. 3, 1941

The American Society of Refrigerating Engineers, in its annual session here, presented its Distinguished Service Award to William S. Shipley, one of its former presidents, in recognition of his leadership and outstanding effort in developing and bringing into successful use the "York Plan," a cooperative plan for coordinating the community's civic and industrial activities in the interest of the national defense. Mr. Shipley is chairman of the board of York Ice Machinery Corporation.

Insecticide, Disinfectant Makers Discuss Priorities, Research

A symposium on containers, together with a discussion of pertinent problems originating from the national defense program, and the reading of the results of scientific research activities, featured the twenty-eighth annual meeting of the National Association of Insecticide and Disinfectant Manufacturers, held in the Roosevelt hotel, this city, December 1 and 2. John N. Curlett, vice-president of McCormick & Co., Baltimore, was elected president, succeeding W. J. Zick, of Stanco, Inc., this city, who was elected to the board of governors.

Officers Elected

Other officers elected were:—

First vice-president, Henry A. Nelson, of the Chemical Supply Company, Cleveland; second vice-president, Gordon M. Baird, of Baird & McGuire, Inc., Holbrook, Mass.; treasurer, John Powell, of John Powell & Co., New York; secretary, H. W. Hamilton, of the White Tar Company, Kearny, N. J.

Elected to the directorate to serve three-year terms:—

C. L. Weirich, of the C. B. Dolge Company, Westport, Conn.; Robert C. White, jr., of the Robert C. White Company, Philadelphia, and W. J. Zick, of Stanco, Inc., New York.

DCAT Elects S.B.Penick,Jr., Chairman

At the organization meeting of the elected executive committee of the Drug, Chemical and Allied Trades Section of the New York Board of Trade held December 4, at the Drug and Chemical Club, this city S. Barksdale Penick, jr., executive vice-president of S. B. Penick & Co., was elected chairman. Others elected were:—Vice-chairman, Victor E. Williams, Eastern salesmanager for the Monsanto Chemical Company; treasurer (re-elected), Robert B. Magnus, vice-president of Magnus, Mabee & Reynard, Inc.; Carl M. Anderson, assistant secretary of Merck & Co., was re-elected counsel, and John C. Ostrom was re-elected secretary.

S. B. Penick, Jr.

The retiring chairman, John J. Toohy, manager of distribution for E. R. Squibb & Sons, Inc., automatically becomes a member of the section's advisory council, to succeed James C. Chilcott, president of The Maltine Company.

Tin Foil Order Suspended By OPM for 30 Days

Donald M. Nelson, Director of Priorities, tonight announced that the lead and tin foil order issued November 24 had been suspended for 30 days. During the period of its suspension an investigation will be made to get all of the facts upon which the order was based, that a final decision may be reached as to whether the order should be revoked, modified or put into effect unchanged.

The order would have placed immediate restrictions on the use of lead and tin in the manufacture of lead foil and tin foil, and would have prohibited the manufacture and sale of tin foil and lead foil after January 15. It would also have prohibited the use of tin and lead foil after March 15.

Steel Drums and Pails

John Gossett, of Wilson & Bennett Manufacturing Company, Chicago, in discussing steel containers in the symposium on containers, said:—

Steel pails, which are 12 gallons or less, are relatively plentiful. While deliveries have suffered to some degree it has not been found necessary to restrict quantities to the regular trade.

Mr. Gossett suggested the association could aid in the current situation by the following:—

Standardization

Explore the possibilities of adopting as standards fewer sizes and types of steel containers. Compulsory action along these lines has been under consideration by the OPM. Such standardization will provide relief both to steel mills and ourselves.

Substitution

During the past few months wooden-barrel manufacturers have stated that they can produce annually 6,000,000 of 50-55-gallon tight barrels in addition to those which they are already delivering. Absorption of this quantity by industry would result in the saving of 150,000 tons of steel annually, which could be utilized in the defense program where other substitutes cannot be used.

Reuse Drums

Many industries have already in operation a program which insures the return of their steel drums from customers. In most cases the drums are billed out on the same basis at a price considerably higher than what the customer could secure by selling the drum to a second-hand dealer. On the return of the drums they could be reconditioned by the original shipper or through an arrangement with a second-hand dealer.

Glass Containers

Eugene F. Bertrand, of the Owens-Illinois Glass Company, Toledo, in discussing glass containers said:—

The basic materials necessary in the making of glass containers are sand, soda ash and lime. For many years those three and only those three were used. Until recently, the abundance of the supply of sand, soda ash and lime compared with the demand—a shortage of these materials seems very improbable. Such is not the case today, since the supply of soda ash is becoming constantly shorter, and some plants are running with as little as a six to nine days' supply ahead.

Soda Ash Allocation Seen

It is possible that soda ash will be placed on an allocation basis, and, if so, the position of the glass manufacturer should be favorable. Spring will probably present the tightest situation; we feel we will get enough soda ash, but more than likely on a hand-to-mouth basis.

The increased demand for soda ash comes from the paper, soap, and rayon industries, plus the increased quantities that the government demands for various aluminum processes to reduce bauxite consumption. Since aluminum production is expected to materially increase during 1942, the demand for soda will be materially increased. In addition it is also possible that soda ash will be used for desulphuring steel, as is now done in England. The American process, in the main, have utilized manganese for steel desulphuring, but because of the concentrated efforts toward manganese conservation, the aforementioned method now employed in England may be used.

No Barytes Shortage

During the years of development and refinement of glass for commercial containers, such ingredients as feldspar, razrite, barytes and others have been added, and no shortage in these materials is foreseen, the amounts used percentage-wise being small, and in addition they are not an absolute necessity in glass making.

Coloring Needs

The supply of coloring or decoloring materials, such as calcium, mangnesium

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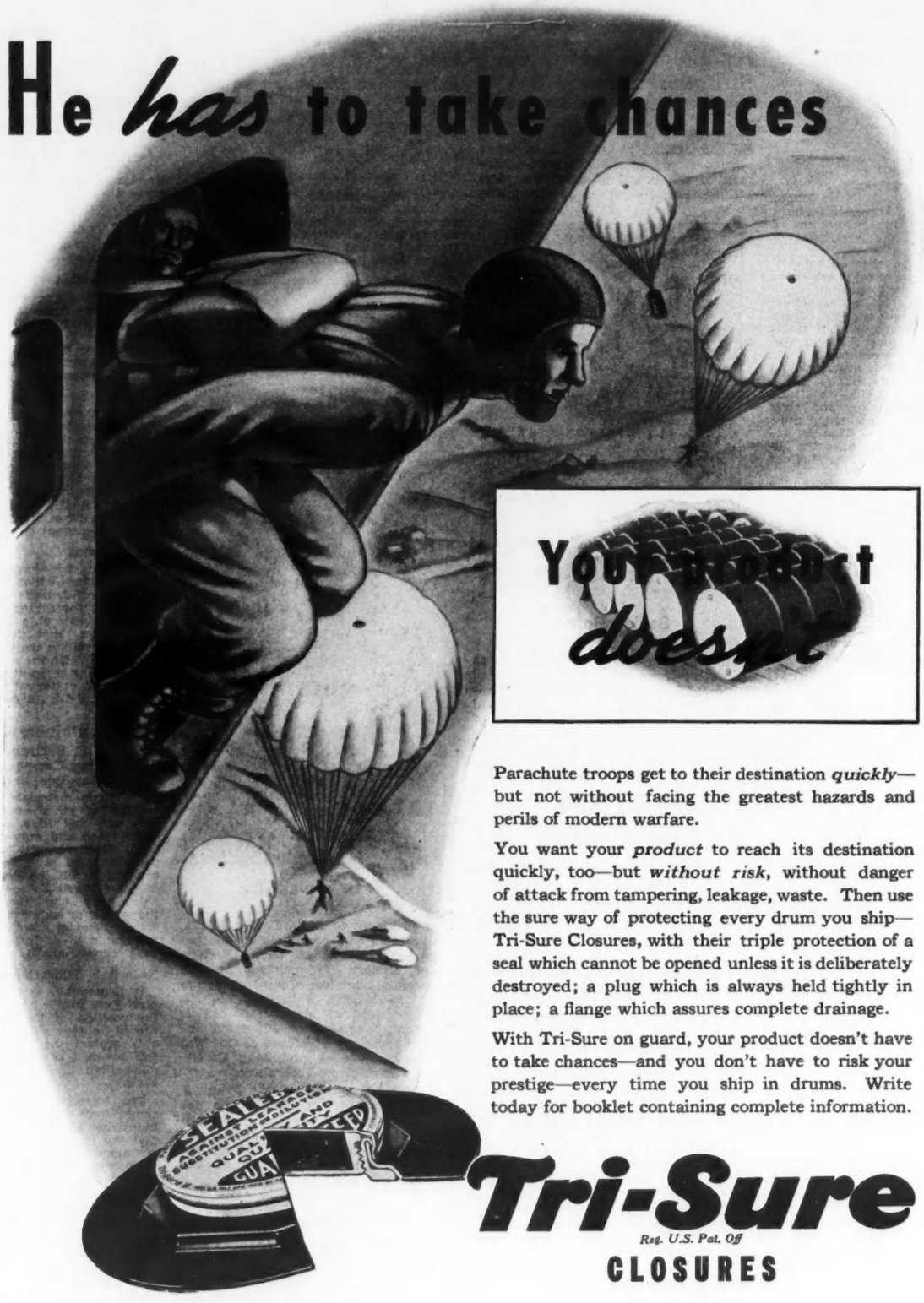
He *has* to take chances



Parachute troops get to their destination *quickly*—but not without facing the greatest hazards and perils of modern warfare.

You want your *product* to reach its destination quickly, too—but *without risk*, without danger of attack from tampering, leakage, waste. Then use the sure way of protecting every drum you ship—Tri-Sure Closures, with their triple protection of a seal which cannot be opened unless it is deliberately destroyed; a plug which is always held tightly in place; a flange which assures complete drainage.

With Tri-Sure on guard, your product doesn't have to take chances—and you don't have to risk your prestige—every time you ship in drums. Write today for booklet containing complete information.

Tri-Sure

Reg. U.S. Pat. Off

CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK

Current Market Quotations

December 5, 1941

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Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes, trends, and resale prices are noted in the market reports, with other informative comment. The locations of the several reports is indicated on page 4.

Defense Status of Materials

Application of SPAB regulations to materials listed below is indicated by superior figures as follows:—[1] Price Ceiling; [2] Price Suggestion or Agreement; [3] Full Priority Control; [4] Industry Control; [5] General Limitation Order; [6] Critical List (Army and Navy Munitions Board); [7] Allocation

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb. lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs., 2,000-lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP,[1,*] dms., c.l., divd.lb. .08½- —
l.c.l., divd....lb. .09 - —
tanks, divd....lb. .07 - —
Methyl (see M).

*The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory shall mean all other States of the United States.

Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., dms....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., c.l., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .06¾- —
Acetic,[1] com'l, redist., 28%, bbls..100 lbs. 3.16 - 3.43
cbys., cs....100 lbs. 3.68 - 3.93
56%, bbls....100 lbs. 5.18 - 5.43
cbys., cs....100 lbs. 5.66 - 5.93
70%, bbls....100 lbs. 6.19 - 6.44
cbys., cs....100 lbs. 6.69 - 6.94
80%, bbls....100 lbs. 6.91 - 7.16
cbys., cs....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.25 -15.25
99.5%, bbls....100 lbs. 8.30 - 8.55
cbys. ....100 lbs. 8.80 - 9.05
tanks ....100 lbs. 7.25 - —
USP, cbys....100 lbs.11.00 -12.50
synth., 99.5%, al. dms, works. 100 lbs. 8.45 - 8.70
tanks, divd....100 lbs. 6.25 - —
USP XI, al. dms., works. 100 lbs.10.25 -11.00
CP, dms., works....100 lbs.13.50 -14.25
pure, 80%, bbls....100 lbs. 4.23 - 4.48
cbys., cs....100 lbs. 4.73 - 4.98
56%, bbls....100 lbs. 4.61 - 4.86
cbys., cs....100 lbs. 5.11 - 5.36
60%, bbls....100 lbs. 7.07 - 7.32
cbys., cs....100 lbs. 6.70 - 8.95
80%, bbls....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[2] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60

Acid, boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.103.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP $25 per ton higher.
Butyric, 20%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis. ....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 6.98 - 7.00
Capric, dms....lb. .19¾- .20¼
Caproic, dms., works....lb. .25 - .30
Caprylic, dms....lb. .27 - .27½
Castor oil, split, dms....lb. .18¼- .18¾
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works....lb. .03½- —
single drum....lb. .04½- —
tanks, works....lb. .02½- —
Chromic,[2,*] 99%, dms., c.l., divd. N. Y..lb. .16¼- —
l.c.l., 5 tons, divd. N.Y. lb. .16¾- —
smaller quantities, divd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots....lb. 3.50 Nom.
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots....lb. .21 - —
anhydr. gran., dms., 10,000 lbs., one shipt..lb. .22 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .16¾- .17¼
Cottonseed oil, dist., dms....lb. .13¾- .14¼
tanks ....lb. .13¼- —
Cresylic (coaltar),[2,7] high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - .81
l.c.l., same basis....gal. .78 - .83
imported, pale, dms....gal. No price
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys....lb. .11¼- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - .31
Gallic, tech., bbls....lb. 1.10 - 1.13
NF VI, bbls., 200 lbs., 5 or more..lb. 1.27 - —
smaller lots....lb. 1.30 - —
fib. dms., 25 lbs....lb. 1.34 - —
Gamma, bbls....lb. .65 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H, bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .06 - .06½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 20-35%, 420 lbs., bbls..lb. .09 - .09¼

Acid, hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12½- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22½
USP, XI, 85%, cbys....lb. .50 - .53
USP, VIII, 75%, cbys....lb. .48 - .51
Lauric, dist., tech., dms....lb. .18¼- .18¾
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .15½- .16
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0035- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .08 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18¼
Naphthenic, dom., acidity 220-230, dms., c.l., works..lb. .10 - —
l.c.l., works....lb. .11 - —
tanks, works....lb. .09 - —
235-245 acidity, dms., c.l., works..lb. .12 - —
l.c.l., works....lb. .13 - —
tanks, c.l., works....lb. .11 - —
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .11¼- —
10,000 lbs. or over....lb. .11¼- —
smaller quantities....lb. .12⅛- .14⅛

Acacia—Acrylonitrile

Acid, palm oil, white, dist., dms..lb. .13 - .13½
tanks ....lb. .12½- —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.85 - 1.90
Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald.... 100 lbs. 4.00 - 4.25
cbys., works, frt. equald. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld.100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagons, divd., N.Y., Phila. Met. area..... 100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald. 100 lbs. 4.75 - 5.00
cbys., works, frt. equald. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld.100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld...100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, divd., N.Y., Phila. Met. area..... 100 lbs. 4.75 - —
USP, 85%, s. g., 1.710 cbys., 160 lbs..lb. .12 - —
50%, s. g., 1.347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .12 - —
10%, dilut., cbys., djns....lb. .07 - .07⅛
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionate, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.45 - —
cns. ....lb. 1.63 - —
USP, cryst., cns....lb. 2.10 - —
resub., cns....lb. 2.60 - —
Pyroligneous, bbls., divd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, tech., bbls., works..lb. .32 - —
Soybean oil, dist., dms....lb. .16½- .17
Stearic, dist., double pressed, bgs., divd..lb. .14¼- .15¼
single pressed, bgs., divd..lb. .13¾- .14¾
triple pressed, bgs., divd...lb. .17 - .18
saponif., double pressed, bgs., divd..lb. .14¼- .15¼
triple pressed, bgs., divd..lb. .17¼- .18¼
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.33 - —
100-lb. lots....lb. 1.35 - —
25-lb. lots....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.18 - —
smaller lots....lb. 1.15 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .70½- —
smaller quantities....lb. .71 - —
kgs. ....lb. .71½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkg....lb. 2.94 - 3.10
pure, 100-lb. pkg....lb. 2.56 - —
Aconite, leaves, bls....lb. 1.20 - 1.25
Root, bls....lb. 1.25 - 1.30
Aconitine, amorph., bots....oz.28.00 -28.00
15-gr. vials....vial. 1.00 - —
cryst., bots....oz.42.00 -48.00
15-gr. vials....vial. 1.60 - —
Acrylonitrile, dms., c.l....lb. .24½- —
5,000 lbs. or more....lb. .25 - —
1 ton to 4,999 lbs....lb. .25½- —
1 dm. to 1 ton....lb. .26 - —
tank cars....lb. .24 - —

Adeps Lanae—Bay Rum

Adeps lanae, anhyd., dms.....lb. .30 - .32
hyd., dms.....lb. .29 - .31

Agar, Kobe No. 1, strip.....lb. 3.00 - 3.25
gran., fib. dms.....lb. 3.10 - 3.40
powd., fib. dms.....lb. 3.10 - 3.45
Kobe No. 3, strip, bls.....lb. No prices
Agaric, white, bls.....lb. No stocks

Albumen, blood, dark flake c.l., f.o.b. Chicago, frt. alld..lb. .12½- —
ton lots, frt. alld.....lb. .14 - —
bgs., same basis.....lb. .15 - .20
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .65 - .75
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.75 - 1.80
powd., dms., bbls.....lb. 1.80 - 1.85
import, cs.....lb. 1.75 - 1.80

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .27 - —
Tertiary, refd., dms., l.c.l., frt alld..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
drums.....lb. .63 - —
Butyl, normal,[1] dms., c.l., frt. alld..lb. .11 - .11¾
l.c.l., frt. alld.....lb. .11½- .12¼
tanks, frt. alld.....lb. .10 - .10¾

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory shall mean all other States of the United States.

secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.90 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 3.00 - 3.60
Denatured,[2,3,4] CD14, dms., c.l., divd., E..gal. .38½- —
l.c.l., divd., dms.....gal. .43½- —
tanks, E., divd.....lb. .32½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35½- —
10 bbls., E. works..gal. .37½- —
1 to 18 bbls., E. works..gal. .40¼- —
dms., c.l., E. works....gal. .33½- —
10 dms., E. works....gal. .35¼- —
1 to 18 dms.....gal. .38¼- —
tanks, E. works.....gal. .27½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .30½- —
10 dms., works, E...gal. .32¾- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
10 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30¼- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

SD23H, works, c.l., dms..gal. .34 - —
10 dms.....gal. .36 - —
1 to 18 dms.....gal. .39 - —
tanks .....gal. .28 - —
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11½- .13
l.c.l., divd.....lb. .12 - .13½
tanks, divd.....lb. .10½- .12
tech., dms., c.l., divd.....lb .11 - .12
l.c.l., divd.....lb. .11¼- .12½
tanks, divd.....lb. .10 - .11

Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 7.92½- —
10 dms.....gal. 7.96 - —
5 to 8 dms.....gal. 7.99 - —
1 to 4 dms.....gal. 7.99 - —
tanks .....gal. 7.96½- —
absolute, dms., c.l.....gal. 8.37½- —
10 dms.....gal. 8.41 - —
5 to 18 dms.....gal. 8.44 - —
1 to 4 dms.....gal. 8.44 - —

Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.

Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..bls. dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —
Isopropyl,[2] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis..lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb .55 - —

Alcohol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —

Aldol, 55 and 110 gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .55 - .56
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .90 - 1.40
Allspice, Mexican, bgs.....lb. .10¾- .11¼
Alpha tocopherol, ampules, per gram. 1.00 - 1.50
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .68 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, bgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 5.45 - —
100-lb. kgs.....lb. 5.47 - —
25-lb. fib. dms.....lb. 5.54 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, whole, bbls.....lb. .45 - .46
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Philа.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 4.25 - —
divd., N. Y., Phila....100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phila....100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phila....100 lbs. 4.65 - —

Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
solut., 24%, l.c.l., 10 or over, divd..lb. .09½- —
1 to 9, divd.....lb. .10 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, divd., lb. .08¾- —
1 to 9, divd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., divd..lb. .13 - —
l.c.l., divd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0340- —
l.c.l., bbls., works.....lb. .04 - —
bgs., c.l., works.....lb. .0310- —
light, bgs., c.l., divd.....lb. .14 - —
l.c.l., bgs., divd.....lb. .14¼- —
bbls., c.l., divd.....lb. .14¼- —
l.c.l., bbls., divd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17¾- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works....100 lbs. 1.35 - 1.45
l.c.l., works, frt. equaled, 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.75 - 1.85
l.c.l., works.....100 lbs. 2.00 - 2.10
bbls., c.l., works....100 lbs. 1.95 - 2.05
l.c.l., works.....100 lbs. 2.20 - 2.30
Aluminum, 98-99%,[2,3,4] c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
paste, lining, extra fine, dms., 200 lbs..lb. .56 - —
standard, dms., 200 lbs....lb. .38 - —
Powder, lining, extra fine, dms., 200 lbs..lb. .93 - —
standard, dms, 200 lbs...lb. .59 - —
litho, lining, dms., 200 lbs..lb. .57 - —
unpolished, dms., 200 lbs..lb. .36 - —
varnish, standard, dms., 200 lbs..lb. .40 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs. 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia aldehyde, dms., works, lb. .65 - .70
Anhydrous[5], fertiliser, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va...ton.90.00 - —
refrigeration[6], tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¾- —
dms., c.l.....lb. .07½- —
l.c.l .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., divd. Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15½- .18
Borate bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - .35
bxs. .....lb. .34 - .38
kegs .....lb. .32 - .36

Ammonia, carbonate, lump, dms., divd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 223-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.68 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs, dom.....lb. .21 - .23
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.... .....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .15 - —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate[3], dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, C.P., dms....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .12½- .14⅛
l.c.l., divd.....lb. .13 - .15
tanks, divd.....lb. .11½- .13⅛
cns., works.....lb. .18 - .19
ex Pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .12½- —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .12½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caporate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .31 - —
Salicylate, 5-lb. bots.....lb. .63 - .65
cns..lb. .55 - .60
Stearate, dms., l.c.l., works..lb. .33½- —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.25 - 1.60
cans .....lb. 1.15 - 1.50
Angelica root, dom., bls.....lb. .65 - 1.75
import., natural, bls.....lb. 1.60 - 1.65
Angostura, bark, bls.....lb. .26 - .29
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Cyprus, bgs.....lb. .33 - .33½
Mexican, fair, bgs.....lb. .31 - .32
Spanish, bgs.....lb. .35 - .36
Star .....lb. .18 - .18½
Turkish, bgs.....lb. .32 - .32½
Anisic aldehyde, bots.....lb. 2.75 - 2.80
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4,6] spot.....lb. .14 - —
Needle, brown, Bolivian, 67%, lb. .16½- .18½
Chinese, black, 70%.....lb. .19 - .22
crude, bbls.....lb. .17 - —
Oxide, bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .16½- —
Salt, 65%, dms., divd. E. of Miss. River..lb. .33 - —
bbls., same basis.....lb. .31 - —
White pigments, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. .26 - —
Areca nuts, powd., bbls.....lb. .15 - .16
Arecoline hydrobromide, bots..oz.11.25 -11.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity f.o.b. Spanish ports....100 kilos.105.00 - —
Arnica flowers, bls.....lb. 4.00 - 4.25
Root, bls.....lb. 1.45 - 1.50
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10¼
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .50
powd., bbls. bxs.....lb. .68 - .73
Asbestine (see Talc, N.Y. fibrous).

Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y. ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.56.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.26.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery....gal. .06 - .06¾
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.27.00 - —
Sulphate, bots.....oz.21.00 - —

B

Balm of Gilead buds, bgs.....lb. .55 - .60
Barbasco root (see cube root).
Barberry bark, bgs.....lb. .55 - .60
Tree bark, vls.....lb. No stocks
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Sulphur-free, c.l., works..ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate, kgs.....lb. .60 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.97.00 - —
bbls., same basis..ton.99.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton.82.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.63 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .10½- .12½
Oxide, ungrd., dms., c.l., works, lb. .09 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .15 - .17
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., contr., St. Louis..ton.25.15 - —
spot, same basis...ton.25.15 -27.65
l.c.l., contr., same basis, ton.26.15 - —
spot, same basis...ton.26.15 -28.65
paper bags, c.l., contr., St. Louis..ton.22.85 - —
spot, same basis...ton.22.85 -25.35
l.c.l., contr., same basis, ton.23.85 - —
spot, same basis...ton.23.85 -26.35
ex whse., New York.ton.31.50 - —
Southern, off color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
ore, bulk, mines.....ton.8.00 - —
German, grd., bbls., c.l., dock, l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½

Bayberry bark, bgs.....lb. .13 - .14
belladonna leaves, bls.....lb. 3.45 - 3.50
Root, bls.....lb. 2.00 - 2.65
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo—gal. .14 - —
Benzophenone, dms.....lb. 1.20 - 1.25
Benzoyl chloride, cbys.....lb. .28 - .29
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cns..lb. .95 Nom.
dms. .....lb. .90 Nom.
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.50 Nom.
Formate, cns.....lb. 3.50 - 3.75
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 2.25 Nom.
Salicylate, bots.....lb. 1.80 Nom.
Benzylidineacetone, bots.....lb. 2.00 - 2.10
Berberine bisulphate, cns.....lb.22.50 -38.50
Hydrochloride, cns.....lb.22.50 -38.50
Sulphate, cns.....lb.22.50 -38.50
Berberis root, bls.....lb. .10 - .11
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beta root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.66 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots. lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 66-66⅔%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black,[2] acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l. .....lb. .17½ - —
3, c.l. .....lb. .12 - —
l.c.l. .....lb. 12½ - —
4, c.l. .....lb. .11 - —
l.c.l. .....lb. .11½ - —
5, c.l. .....lb. .08½ - —
l.c.l. .....lb. .09 - —
6, c.l. .....lb. .08½ - —
l.c.l. .....lb. .09 - —
7, c.l. .....lb. .11½ - —
l.c.l. .....lb. .12 - —
8, c.l. .....lb. .12½ - —
l.c.l. .....lb. .13 - —
Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd. .....lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd. .....lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½- .05
B, bbls., works or N. Y..lb. .05¾- —
kegs, f.o.b. N. Y.....lb. .06 - —
dms., c.l., frt. alld.....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis.....ton.80.00 -95.00
pulp, 66⅔%, bbls., c.l., works, ton.40.00 - —
l.c.l., works.....ton.46.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.25
l.c.l., works.....100 lbs. 2.25 - 2.35

Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 4.15 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 4.50 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 4.20 - —
soluble (see Albumen, blood).
Bloodroot, lbs.....lb. .28 - .30
Blue,[2] alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .85 - .90

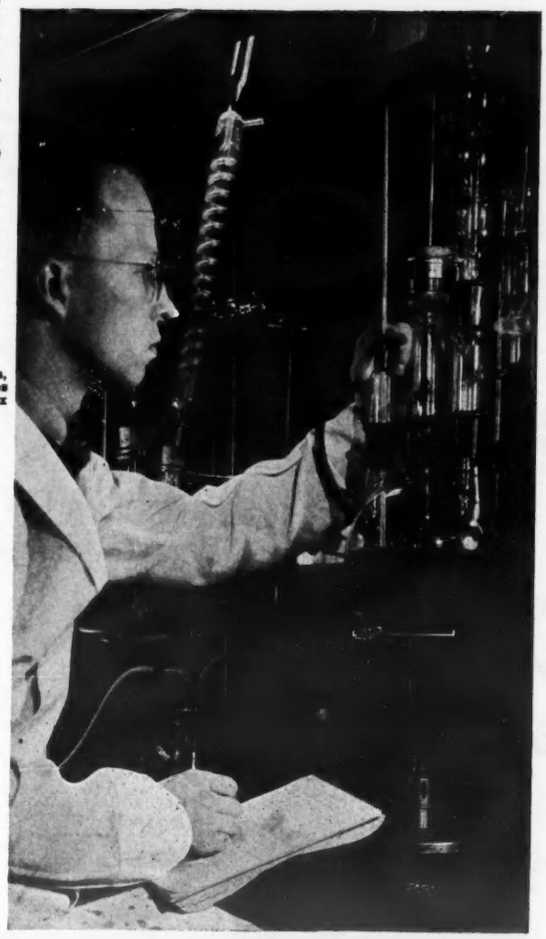
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .36 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .36 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .36 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Blue, peacock, concentrated, same basis, contracts..lb. .75 - —
regular, same basis, contracts, lb. .54 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .36 - —
Tungstated, peacock, kgs....lb. 4.00 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue flag root, bls.....lb. .15 - .20
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.39.00 -40.00
import, bgs., c.i.f. ports..ton.37.50 - —

Bone meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.38.00 -40.00
import, bgs., c.i.f. ports..ton.37.50 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 -41.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.42.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .40 - .45
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.

REICHHOLD

SYNTHETIC RESINS



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Instantly you are impressed with the force of modern chemistry—the great art of synthesis that chemically re-creates natural products to pre-determined characteristics.

As a world prominent producer of industrial synthetics, Reichhold is a highly respected factor in this great advance. Throughout the surface coating industry, the notable achievements of Reichhold technicians have won the highest credit. And, the marked superiority of its complete line of synthetic resins, processed copals, ester gums and synthetic oils further emphasizes the way it has translated the findings of science in practical, standard raising products for producers of paints, varnishes and lacquers.

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INCORPORATED • DETROIT, MICHIGAN

WORLD'S LARGEST PRODUCERS OF SURFACE COATING SYNTHETICS

Bordeaux Mix.—Carbon Tet.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pickups.

Brazilwood extract (see Hypernic).

Brimstone (see Sulphur).

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkg., same basis..lb. .30 - .35

Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —

Bromstyrol .....lb. 3.50 - 3.75

Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50

Broomtops, bls.....lb. .15 - .16

Brown,[2] iron oxide, pure precip., cks., f.o.b. N.Y..lb. .12 - —
Metallic, iron oxide, bbls., wks. lb. .02¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- .06
Italian, Amer. replacement type, bbls., f.o.b. works, lb. .08¾- .10¾
raw, American, bbls., f.o.b. works..lb. .03¼- .05¾
Italian, Amer. replacement type, bbls., f.o.b. works. lb. .08 - .10
Umber, American, bbls., works. lb. .03¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .05 - —
St. Louis.....lb. .05½- —
ex car, Los Angeles.....lb. .05⅞- —
Portland, San Francisco, Seattle..lb. .05¾- —
ex whse., Los Angeles. lb. .06½- —
Portland, San Francisco, Seattle..lb. .06 - —
Boston .....lb. .05 - —
Chicago, Indianapolis, New Orleans..lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .35 - —
Sulphate, 100 oz., cns.....oz. .30 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .74 - .75
Buckthorn bark, true, bls....lb. .80 - .85
cut and sifted, bbls.....lb. .85 - .90
Berries, bgs.....lb. 1.10 - 1.15
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate[2], norm., dms., c.l., frt. alld..lb. .11 - .12
l.c.l., frt. alld.....lb. .11½- .12¼
tanks, frt. alld.....lb. .10 - .11
tankwagons, frt. alld...lb. .10¾- .11¼
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms.lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17¼
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .25 - —
l.c.l. .....lb. .28 - —
Ether (see under Ether).
Lactate, dms.....lb. .23¼- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .32½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N.Y...lb. .60 - —
Butane[2], industrial grade, tanks, group 3..gal. .02½- —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, [3,4,6] pat., shapes, cs., dlvd..lb. .95 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. No stocks
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l.....lb. .06½- .07½
l.c.l. .....lb. .06¾- .07¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Calcium bromide, 100 lbs., works, frt. equald..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd., ton.18.50 -35.00
l.c.l., 15 tons, dlvd....ton.21.50 -25.50
5 ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.18.00 -34.50
l.c.l., 15 ton, dlvd....ton.21.45 -25.45
5 ton lots.....ton.28.45 -40.95
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.
Gluconate, USP, gran., 150-lb. bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .27 - .28
Mandelate, dense, dms.....lb. 2.05 - 2.15
fluffy, dms.....lb. 2.05 - 2.15
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12½- .13
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 35-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
feeding grade, bgs., f.o.b. works..ton.75.00 - —
food grade, f.o.b. works, 10 bbls. and over..lb. .07 - —
5 to 9 bbls., same basis. lb. .09 - —
1 to 4 bbls., same basis.. lb. .10 - —
medicinal, bbls.....lb. .11½- .12
dms. .....lb. .12½- .18
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
less than 5 tons, same basis, lb. .06½- —
tribasic, c.l., bbls., works, lb. .0635- —
l.c.l., bbls.....lb. .0705- .0785
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., ton..lb. .26 - —
smaller quantities.....lb. .27 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.10 - 1.15
slabs, cs.....lb. 1.10 - 1.15
tablets, tin.....lb. 1.20 - 1.25
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works..lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .63 - —
1,000-lb. lots.....lb. .64 - —
smaller lots.....lb. .65 - —
tablets, 2,000-lb. lots....lb. .76 - —
1,000-lb. lots.....lb. .77 - —
smaller lots.....lb. .78 - —
Monobromate, bulk, 100-lb. lots, lb. 2.40 - —
25 to 50-lb. lots.....lb. 2.50 - —
Canada balsam (see Fir, balsam).
Canary seed, Argentine, bgs...lb. .0360- .0385
Morocco, bgs.....lb. .0580-.0600
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 4.50 Nom.
powd., bxs.....lb. 5.50 Nom.
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. 1.10 - 1.15
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[2] Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.gal. .88 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the fol-

SPOT DELIVERIES

Refined Camphor

(SLABS — POWDER)

CAUSTIC POTASH ★ NICKEL SULPHATE ★ SODIUM FLUORIDE
WHITE HEAVY CALCINED MAGNESIA ★ BICHROMATES
WHITE CALCINED MAGNESITE ★ ★ ZINC SULPHATE

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Cardamom, bleached, cs.....lb. 1.45 - 1.60
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, bgs.....lb. .90 - .95

Carob bean flour (see Gum, Locust bean).

Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk.....lb. .20 - .21
Case-hardening mixtures, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .30 - —
5 tons, works.....lb. .30½- —
smaller lots, works.....lb. .30½- —
80-100 mesh, c.l., dlvd.....lb. .30½- —
5 tons, works.....lb. .30¾- —
smaller lots, works.....lb. .31 - —
import, Argent., 20-30 mesh, bgs., c.l., c.i.f..lb. .29¼- —
80-100 mesh, bgs., c.l., c.i.f..lb. .29¾- —
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .21½- .22
No. 1, regular, bls.....lb. .20½- .21
shortstick, bls.....lb. .18 - .19
broken, bls.....lb. .16½- .17
China, buds, bgs.....lb. .17½- .18
Rolls, select, bls.....lb. .15¾- .16¼
broken, extra, bls.....lb. .15½- .16
Saigon, No. 1, 4-10-4, bls....lb. .31½- .32
10-6-2, bls.....lb. .32 - .33
all thin, bls.....lb. .32½- .33
Cassia fistula, bskts.....lb. .18 - .19
Castoreum, nat., cns.....lb. 12.50 -15.00
Synth, bots.....lb. 19.00 - —
Castor beans, Brazilian, ship't, c.&f., N.Y., long ton. 75.50 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton. 15.50 -16.00
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .90 - .95
Indian .....lb. .40 - .41
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (36.5% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs., works.....lb. .48 - —
medium (15.5 or 17.0%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Acetate-propionate, high (31.5% propionly content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs, works.....lb. .48 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., papermakers, bgs., c.l., works..ton. 32.50 - —
rubbermakers, bgs., c.l., works, ton. 30.00 - —
other industries, and paints, bgs., c.l., works..ton. 40.00 - —
drugs, dentifrices and cosmetics, c.l., spot..lb. .02¾- —
Chamomile flowers, Hungarian, type, cs..lb. .80 - .85
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton. 35.40 - —
Colo. .....ton. 32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton. 35.80 - —
Ill. (except river point), Minn., Neb., Wis..ton. 27.00 - —
Indiana .....ton. 31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton. 25.00 - —
Kansas, El Paso, Tex., ton. 26.00 - —
Michigan .....ton. 32.80 - —
Ohio .....ton. 32.80 - —
Penn. .....ton. 34.80 - —
Utah .....ton. 36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton. 10.00 -16.00
bulk, c.l., works..ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works, ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk Phila..ton. 18.60 -23.00
powd., cks., l.c.l., ex whse., ton. 45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine,[2,5] liq., cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N. Y....lb. .05¼- —
l.c.l., dlvd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald.100 lbs. 2.00 - —
2, works, frt. equald., 100 lbs. 2.50 - —
1, works frt. equald., 100 lbs. 3.00 - —

Chloroform, tech., 650-lb. dms.lb. .20 - —
100 lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 2 works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .22 - —
solut., 8½%, cs., bbls.....lb. .07¾- .08½
Cake, bulk, c.l., works.....ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .19 - .20
yellow, bgs.....lb. .19 - .20
Cinchonidine, small crys., cns., 100 ozs..oz. .59 - —
Sulphate, N.F., cans., 100 ozs.oz. .55 - —

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs.oz. .42 - —

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .24¾- .25¼
8 bls.....lb. .28 - .28½
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .98 - 1.00
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .24½- .25
Zanzibar .....lb. .15¼- .15½
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .27 - .29
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 8.00 - —

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .24¾- .25¼
8 bls.....lb. .28 - .28½
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .98 - 1.00
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .24½- .25
Zanzibar .....lb. .15¼- .15½
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .27 - .29
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 8.00 - —

Cobalt acetate,[7] bbls., kgs., dlvd. lb. .83¾- —
Carbonate,[7] powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .87½- —
Hydrate,[7] bbls.....lb. 2.04 - —
Linoleate, paste, 5%, dms...lb. .31 - —
solid, 8½%, dms.....lb. .42 - —
Oleate, bbls.....lb. .25 Nom.
Oxide,[7] black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .18½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
8½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate,[7] dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .24½- —
Cocillana bark, bgs.....lb. .20 - .21
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz. 38.00 -63.00
Colchicum seed, bgs.....lb. 6.00 - 6.25
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .90 - .95

Under the terms of Order PD-43, research laboratories command an A-2 priority rating. Here at

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research has always commanded a high "priority". Now the materially augmented HOOKER research staff continues unabated its efforts to solve customers' problems. Substitutes for scarce materials, lowered costs through improved materials, new chemical developments for your post-war needs—all are objects of constant study. This study is most fruitful when guided by your specific needs and problems. Consultation is invited.

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Caustic Soda
Liquid Chlorine
Bleaching Powder
Muriatic Acid
Hydrogen
Ferric Chloride Solution
Sulfur Dichloride
Sulfur Monochloride
Aluminum Chloride, Anhydrous
Antimony Trichloride, Anhydrous
Arsenic Trichloride, Anhydrous
Monochlorbenzene
Orthodichlorbenzene
Paradichlorbenzene
Trichlorbenzene 1:2:4
Tetrachlorbenzene 1:2:4:5
Tetrachlorbenzene 1:2:3:4
Pentachlorbenzene
Hexachlorbenzene
Monochlortoluene
Ammonium Benzoate
Benzoate of Soda
Methyl Benzoate
Benzoic Acid
Benzoic Anhydride
Benzal Chloride
Benzotrichloride
Benzoyl Chloride
Benzyl Alcohol
Benzyl Chloride
Meta Nitrobenzoic Acid
Meta Nitrobenzoyl Chloride
Para Nitrobenzoyl Chloride
Chlorinated Paraffin
Methyl Dichlor Stearate
Dichlor Stearic Acid
Methyl Stearate
Dibenzyl Disulfide
Alpha Chlor Naphthalene
Dichlor Naphthalene
Polychlor Naphthalenes
Cyclohexanol
Methyl Cyclohexanol
Piperidine
Acetyl Chloride
Butyryl Chloride
Iso Propyl Chloride
Phosgene
Propionyl Chloride
Sulfuryl Chloride
Thionyl Chloride
Chlor Anisidine
2:5 Dichlor Aniline
Sodium Sulfhydrate
Sodium Sulfide
Hydrogenated Fish Oils

HOOKER ELECTROCHEMICAL COMPANY
NIAGARA FALLS, NEW YORK
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2001

Colombo Rt.—Diphenylamine

Colombo root, bls.	lb.	.20	.22
Coltsfoot leaves, bgs.	lb.	.35	.40
Condurango bark, bgs.	lb.	.10	.11
Conium leaves, bls.	lb.	.30	.32
Copaiba, balsam, Para, cns.	lb.	.32	.33
S. A., USP, cns.	lb.	.34	.35
Copper acetate, normal, bbls., dlvd.	lb.	.24	—
smaller containers, dlvd.	lb.	.26	—
Carbonate, 52-54%, bbls.	lb.	.18	.20½
Chloride, anhyd., bbls.	lb.	.19½	—
cryst.	lb.	.13½	.14½
Cyanide, tech., bbls.	lb.	.34	.38
Iodide, bots.	lb.	5.15	5.19
Metal,[1,2,5] electrolytic	lb.	.12	.12½
Nitrate tech., cryst., bbls.	lb.	.16	.18½
Oleate, precip., bbls.	lb.	.20	—
Oxide, black, bbls., tons, works,	lb.	.19½	.21
Red, com'l, kgs., f.o.b. N. Y.,	lb.	.20	.22
Resinate, precip., bbls.	lb.	.15	.16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works	100 lbs.	5.15	5.50
l.c.l., 16-50 bbls., same basis,	100 lbs.	5.30	5.65
6-15 bbls., same basis,	100 lbs.	5.40	5.75
1-5 bbls., same basis,	100 lbs.	5.65	6.00
monohydrated, dms., c.l., dealers, f.o.b. works	100 lbs.	9.20	—
l.c.l., dealers	100 lbs.	10.20	—
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	—
bbls., c.l., works	ton.	20.00	—
l.c.l., 25 or over, works,	100 lbs.	1.55	—
1-4, works	100 lbs.	2.00	—
bulk, c.l., works	ton.	14.00	—
Copra, Coast, ship.	lb.	.04	—
Coriander, bgs.	lb.	.10½	.10⅝
bleached, bgs.	lb.	.11½	.12
Corn silk, bls.	lb.	.20	.21
Corn sugar, tanners', chipped, bgs., c.l., dlvd.	100 lbs.	4.05	—
slabs, bbls., c.l.	100 lbs.	3.41	—
solid, bbls., c.l.	100 lbs.	3.53	—
Syrup, 42°, bbls., c.l.	100 lbs.	3.32	—
43°, bbls., c.l.	100 lbs.	3.57	—
Corrosive sublimate, cryst., dms., 50 lbs. or more	lb.	2.39	—
gran., powd., dms., 50 lbs. or more	lb.	2.24	—
Cottonroot bark, bls.	lb.	.14	.15
Cottonseed, hull ash, 32-36% potash, bgs., dlvd.	unit-ton.	1.00	—
meal, 8%, Southeast, mills	ton.	39.50	—
Coumarin, 5 lbs. or more, 25-lb. cns.	lb.	2.75	3.00
5-lb. cns.	lb.	2.85	3.10
1-lb. cns.	lb.	3.00	3.25
1-oz. cns.	lb.	3.35	3.60
less than 5 dms., cns.	lb.	4.15	4.65
Cramp bark, genuine, bls.	lb.	.30	.65
so-called, bls.	lb.	.06	.07
Cranesbill root, bls.	lb.	.10	.13
Cream of tartar, gran. or powd., bbls., 5,000 lbs., one shipm't,	lb.	.57½	—
smaller lots, bbls.	lb.	.58	—
kgs.	lb.	.58½	—
Creosote, beechwood, cbys., dms.	lbs.	.80	.85
bots.	lb.	1.00	1.04
hardwood, USP, bots.	lb.	.69	.77
Pine, dms.	gal.	.28	—
Carbonate, bots., cbys.	lb.	2.10	2.39
Oil, crude, tanks, works	gal.	.13½	.14⅛
Coaltar, solution, tanks, works,	gal.	.122	.132
refd., bbls., l.c.l., works.	gal.	.26	—
tanks, works	gal.	.13	.13⅛
Cresol,[6,7] USP, dms., c.l., works.	lb.	.10¼	.10⅝
l.c.l., same basis	lb.	.10⅝	.11¼
special resin grade, dms., c.l., works.	lb.	.09¾	.09⅝
l.c.l., same basis	lb.	.09⅝	.10¼
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works.	lb.	.15	—
5 and 10-gal. dms., works.	lb.	.18	—
Cryolite, syn., c.l., frt. alld. E. of Miss. River	lb.	.08½	—
l.c.l., works	lb.	.09¼	—
natural, c.l.	100 lbs.	8.75	—
l.c.l.	100 lbs.	9.25	—
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C.	lb.	.32	.36
4% rotenone prices are 3c. per lb. less.			
Cubeb berries, XX, bgs.	lb.	.48	.50
powd., cs.	lb.	.53	.54
Culver's root, bls.	lb.	.22	.24
Cumin seed, Morocco, bgs.	lb.	.18	.18½
Cyprus, bgs.	lb.	.18	.18⅝
Indian, bgs.	lb.	.15½	.16
Persian, bgs.	lb.	.17	.17½
Cutch, Borneo, extract, solid, contract, f.o.b. N.Y., duty paid.	lb.	.04¾	—
Cyanamide, 22ᵉᵛ. N, pulv., bgs., dlvd., contracts.	unit-ton.	No prices	
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.10¾	—
lump, dms.	lb.	.09¾	—
75%, gran., dms.	lb.	.15	—
Cyclohexane, 98-100%, dms., wks.	lb.	.16	—
Cyclohexanol, 98-100%, dms., wks.	lb.	.23	—
Cyclohexanone, 98-100%, dms., works.	lb.	.32	—
Cyclopropane, USP, cyls., dlvd.	gal.	.27	—

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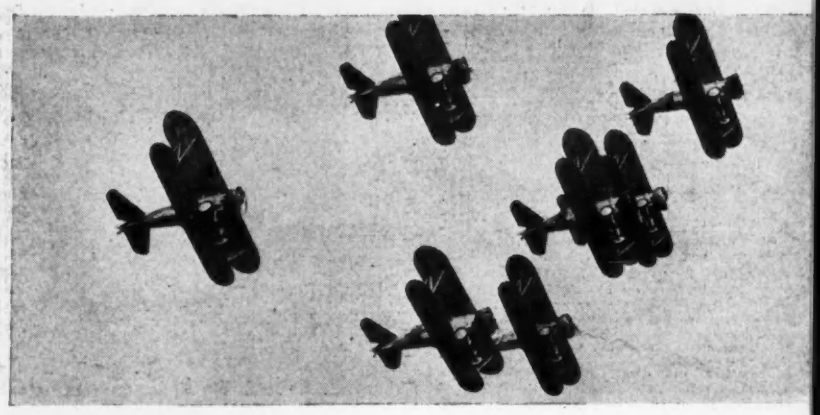
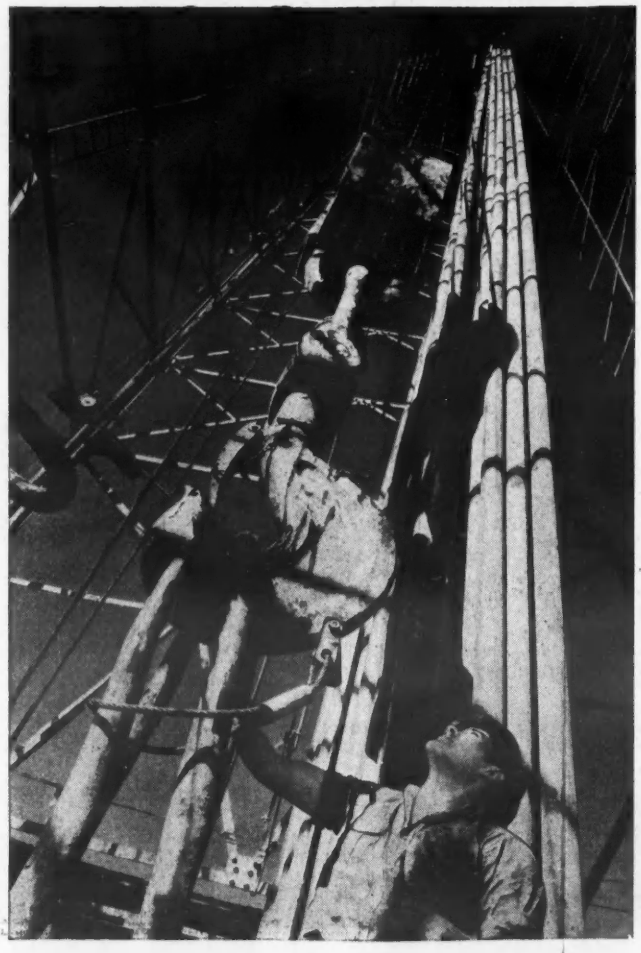
Damiana leaves, bls.	lb.	.15	.16
Dandelion root, bls.	lb.	.50	.52
Decanol, normal, tech., 300 lbs., dms., dlvd.	lb.	.35	—
Deertongue leaves, bls.	lb.	.12	.14
Degras, common, dom., bbls.	lb.	.08¾	.09½
neutral, dom., bbls.	lb.	.18	.22
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y.	lb.	.32	.36
4% rotenone prices are 3c. per lb. less.			
Derris, extract, 30% rotenone, bulk, cns.	lb.	3.50	4.25
Dextrin, British gum, c.l., f.o.b. Chicago	100 lbs.	4.25	—
l.c.l., f.o.b. Chicago	100 lbs.	4.35	—
Corn, canary, ogs., c.l., f.o.b. Chicago	100 lbs.	4.00	—
l.c.l., f.o.b. Chicago	100 lbs.	4.80	—
white, bgs., c.l., f.o.b. Chicago	100 lbs.	3.95	—
l.c.l., f.o.b. Chicago	100 lbs.	4.15	—
Potato, bgs., dom., c.l.	lb.	.09¼	—
l.c.l., bgs.	lb.	.10	.10½
Diacetone (see under Alcohol).			
Diacetyl, bots.	lb.	9.50	11.00
Diamyl ether, dms., c.l., works,	lb.	.085	—
l.c.l., works	lb.	.092	—
tanks, works	lb.	.075	—
Phthalate, dms., c.l., dlvd.	lb.	.21	—
l.c.l., dlvd.	lb.	.21¼	—
tanks, dlvd.	lb.	.20	—
Diamylamine, dms., c.l., works,	lb.	.50	—
l.c.l., works	lb.	.53	—
Diamylene, dms., c.l., works	lb.	.105	—
l.c.l., works	lb.	.112	—
tanks, works	lb.	.095	—
Diamylnaphthalene, dms., l.c.l., works	lb.	.17	—
Diamylphenol (2, 4), dms., c.l., works	lb.	.18	—
l.c.l.	lb.	.21	—
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst.	ton.	22.00	25.00
l.c.l., ex whse.	ton.	45.00	—
purified, bgs., c.l., f.o.b. Atlantic seaboard	ton.	35.00	39.00
l.c.l., ex whse.	ton.	85.00	90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard	lb.	.07	—
l.c.l., ex whse.	lb.	.10	.16
Import, Algerian, bgs., c.l., c.i.f.	ton.	No prices	
Mexican, white, bgs., c.l., c.i.f.	lb.	.02	.03
l.c.l.	lb.	.04	.06
Dibutylamine, dms., c.l., works,	lb.	.50	—
l.c.l.	lb.	.53	—
tanks, works	lb.	.48	—
Diamyl sulphide, l.c.l., dms., works	lb.	.25	—
Dibutyl ether (see Ether, butyl).			
Phthalate,[2] dms., c.l., dlvd.	lb.	.19	.20
l.c.l., dlvd.	lb.	.19½	.20½
tanks, dlvd.	lb.	.18	.19
cns., works	lb.	.23½	.25½
Sebacate, dms., works	lb.	.45	.47
Tartrate, dom., dms.	lb.	.87	—
Dicalcium phosphate (see Calcium phosphate dibasic).			
Dichlorethyl ether, dms., c.l., works	lb.	.037	—
l.c.l.	lb.	.04½	—
tanks	lb.	.03	—
Dichloropentanes, dms., c.l., works	lb.	.037	—
l.c.l.	lb.	.04½	—
tanks	lb.	.03	—
Diethanolamine, dms., c.l., works,	lb.	.23½	—
l.c.l., works	lb.	.24½	—
tanks, works	lb.	.22½	—
Diethylamine, dms., l.c.l., works,	lb.	.70	—
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms.	lb.	.75	—
Diethylanilin, dms.	lb.	.40	—
Diethyl carbonate, com'l, dms.,	lb.	.25	—
refd., 99%, dms.	lb.	.35	—
Oxalate, dms., l.c.l., dlvd.	lb.	.28	—
Phthalate, dms., c.l., dlvd.	lb.	.20	—
l.c.l.	lb.	.20½	—
tanks	lb.	.19	—
Sulphate, dms., c.l., works	lb.	.13	—
l.c.l., works	lb.	.14	—
tanks	lb.	.12	—
Diethyleneglycol, dms., c.l., works,	lb.	.14	—
l.c.l., works	lb.	.15½	—
Monobutylether, dms., works.	lb.	.22½	.24⅛
Monoethylether, dms., c.l., works.	lb.	.14½	—
l.c.l., works	lb.	.15½	—
tanks, works	lb.	.13½	—
Digitalis leaves, dms.	lb.	.50	.55
Diglycol, laurate, c.l.	lb.	.16	—
Oleate, light, bbls., c.l.	lb.	.17	—
Stearate, bbls., c.l.	lb.	.22	—
Di-isobutyl ketone, dms., works.	lb.	.19	—
Dillseed, cleaned, bgs.	lb.	.07½	.08
Dimethyl phthalate, dms., c.l., dlvd.	lb.	.20	—
l.c.l., dlvd.	lb.	.20½	—
tanks, dlvd.	lb.	.19	—
Dimethylamine, dms., c.l., dlvd.	lb.	.85	—
l.c.l., dlvd.	lb.	.90	—
Dimethylanilin, dms., c.l.	lb.	.23	—
l.c.l., dms.	lb.	.24	—
Dinitrobenzene, bbls., 80° min.	lb.	.18	—
Dinitrochlorobenzene, dms.	lb.	.14	—
Dinitronaphthalene, kgs.	lb.	.35	.38
Dinitrophenol, bbls.	lb.	.22	—
Dinitrotoluene, dms.	lb.	.18	—
oily, dms.	lb.	.05	—
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.44	—
600-1,950 lbs., dlvd.	lb.	.46	—
150-450 lbs., dlvd.	lb.	.47	—
Dioxan, dms., c.l., frt. alld.	lb.	.20	—
l.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.19	—
Dip oil (see Tar acid oil).			
Dipentene, dms.	gal.	.59	.51
tanks	gal.	.51	—
dest., dist., dms.	gal.	.55	.58
tanks	gal.	.48	—
Diphenyl, bbls., c.l., works.	lb.	.15	—
l.c.l., works	lb.	.16	.20
Oxide, perfume grade, dms.	lb.	.43	.45
cns.	lb.	.48	.50
Diphenylamine, bbls.	lb.	.25	—

Life On The



(*Right*) **NEW PLASTIC FOR DEFENSE** is MELMAC** 494, offering a combination of physical and electrical properties never before available in any plastic. An achievement of Cyanamid research, MELMAC 494 displays exceptionally high arc resistance and dielectric strength; excellent dimensional stability; extremely low moisture absorption; chemical inertness. MELMAC 494 is being used for ignition assemblies and insulation parts to improve performance of planes, tanks and trucks. MELMAC 494 is now available for defense applications on the basis of priority ratings, and production capacity is being rapidly expanded to meet increasing demands for this unusual plastic.



(*Left*) **OIL WELL DRILLING** constantly involves new problem as the industry continues its search for sources of this vit fluid. Wells are being drilled to greater depths—drillin speeds are increasing—more difficult mud conditions ar encountered. A new means of controlling the viscosity mud in oil well drilling is afforded by AEROFLO*, a chem cal developed by Cyanamid for this specific purpose.

(*Below*) **PHOTOGRAPHIC PROCESSES** are speeded by the use another new Cyanamid product, guanidine nitrate, a whit granular material, more than 95% pure, soluble in wat and alcohols. Used as a replacement for part of the sodiu thiosulphate in fixing baths, guanidine nitrate shortens fixin time. As an additive agent in blueprint coating formulas, accelerates the development process. This novel chemic compound has applications also as an intermediate in prepar tion of chlorinated bactericides and other derived compound

Diphenylguanidin, dms., 2,000 lbs. or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-Divi, Colombian.....ton.48.00 - —
Venezuelan .....ton.48.00 - —
Doggrass root, imp. cut, NF, bls. lb. .90 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, reeds, cs.....lb. .95 - 1.00
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.18.50 - —
FD&C blue, No. 2, cns....lb.18.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C green, No. 1, cns....lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1... .lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns...lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7. cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 2.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow No. 1, cns..lb. 8.85 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
163 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
242 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .54 - .56
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
561 Direct black EW.....lb. .25 - .50
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin.....lb. .38 - .47
Blue:—
860 Indulin.....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .90 - —
Red:—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .95 - —
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.05 - 1.10
729 Victoria blue B.....lb. 1.85 - —
861 Indulin.....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .47 - .62
332 Bismarck brown R...lb. .47 - .62
798 Phosphin.....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wasi green S.....lb. .56 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.25 - —
Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .63
183 Crocein scarlet 3BX..lb. .72 - .76
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .89 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

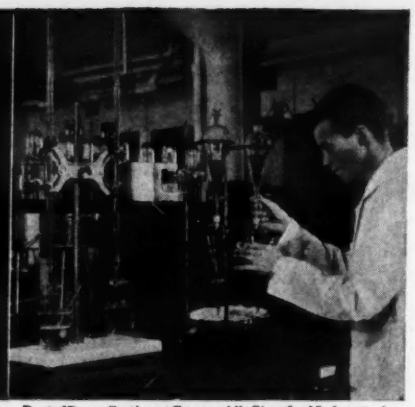
E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls.....lb. .95 - .97
imported .....lb. .92 - .95
Elder flowers, bright, bls.....lb. .85 - 1.00
Elecampane root, bls.....lb. .14 - .15

Chemical Newsfront

One of Cyanamid's Paper Chemical Manufacturing Plants.

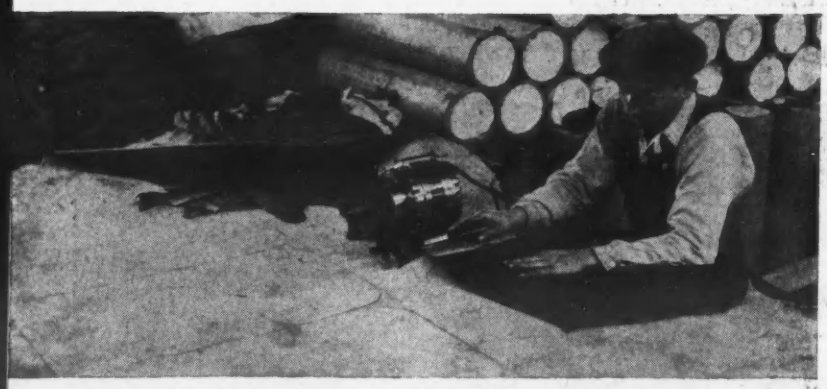
Cyanamid Dry Size is Economical, Easy to Use.



Part of Paper Section at Cyanamid's Stamford Laboratories.

(Above) **COMPLETE SERVICE TO THE PAPER INDUSTRY** is provided by Cyanamid's combination of extensive manufacturing facilities, technical field service, and intensive laboratory research. New Cyanamid paper chemicals include two wax emulsions, ALWAX* Size 251-A and WAXINE* Size 358-A, the latter containing a moderate amount of unsaponified rosin. Both are stable in the presence of dilute acids or alum, give freedom from the wax spot trouble encountered with many ordinary wax emulsions, and are used as beater sizes in conjunction with rosin size. ALWAX Size 251-A improves flexibility, printing quality, and resistance to water and lactic acid. WAXINE Size 358-A gives better sizing efficiency and sheet quality. Another new Cyanamid product, AEROSIZE* 402-A, is a rosin size containing substantially unsaponified rosin, suitable for beater sizing. It has high stability to hard water and carbonate fillers, imparts high lactic acid resistance, is useful in production of milk bottle board.

(Below) **LEATHER FOR TRACTOR SEATS** must be of highest quality—and Cyanamid's development of new chemicals assists tanners in meeting exacting demands. KERALIN* F, for example, is a very stable enzyme for use in bating. DEPILIN**—another new Cyanamid product—was developed to replace sodium sulphide in unhairing.



(Above) **HIGH WET-STRENGTH** is obtained in paper towels and other products through the use of Paper Resin 601, a water-soluble amino-aldehyde type, applied by sprays or other means.

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA · NEW YORK, N. Y.

*Trade-mark **Reg. U. S. Patent Office

Elm Bark—Glue

Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select. bndls.....lb .19 - .21
Emetine hydrochloride, bots..oz.26.00 -34.50
Ephedra, bls.....lb. .12 - .13
Ephedrine, synth., USP, heminydrate, bots., 100 ozs. or more..oz. .65 - —
anhyd., bots., 100 ozs. or more..oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
natural, USP, anhydrous, bots. oz. 1.15 - 1.65
hydrochloride or sulphate, tins..oz. .95 - 1.45
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —

Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

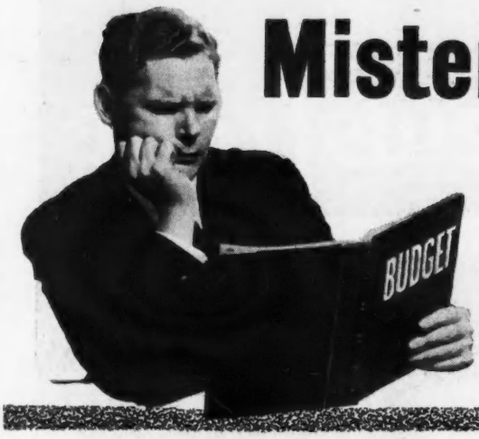
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.70 - 1.80
Eserine, bots.....oz. No prices
Salicylate, bots.....oz.41.00 -48.00
Sulphate, bots.....oz.41.00 -48.00
Ether, acetic (see Ethyl acetate, Butyl, l.c.l., dlvd.....lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 316-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Amyl, dms., car lots, works.. lb. .0950- —
l.c.l., works.....lb. .1020- —
tanks, works.....lb. .0850- —
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld..lb. .08½- .09½
l.c.l., frt. alld.....lb. .09 - .10
tanks, frt. alld.....lb. .07½- .08½
95-98%, dms., c.l., frt. alld.lb. .08¾- .09¾
l.c.l., frt. alld.....lb. .09¾- .10¾
tanks, frt. alld.....lb. .07¾- .08¾
NF, 390-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14 - .15
Acetoacetate, dms., c.l., wks.lb. .29½- —
l.c.l., dms., works.....lb. .30 - —
Benzoate, bots. .....lb. 1.00 - 1.25
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Formate, cns., dms.....lb. .25 - .26
Iodide, bots. .....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oenanthate, dms. .....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .25 - —
Oxyhydrate, bots. .....gal. 4.00 - 6.00
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 4.75 - 6.00
5-lb. lots, cns. .....lb. 4.80 - 6.05
1-lb. lots, cns. .....lb. 4.95 - 6.15
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
West of Rockies, same basis..lb. .0792- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
West of Rockies, same basis..lb. .0841- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .16½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .16¼- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l.,works, lb. .14¼- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¼- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. 1.50 - 1.60
Eucalyptus, leaves, bls.....lb. .10 - .11
Eugenol, cns., dms.....lb. 2.40 - 2.50
Euphorbia, bls.....lb. .12 - .15

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .13 - .13½
German, large bags.....lb. .20 - .21
Indian, bags.....lb. .09 - .09½
Roumanian, bags.....lb. .11½- .12
Fenugreek, seed, bgs.....lb. .08½- .09
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.12.50 -15.00
Oregon, bbls.....gal. 1.25 - 1.35
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeak factories, contracts, futures..unit-ton. 4.75 & .10
meal, bgs., f.o.b. Balto.....ton.70.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts..... unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon., bgs., c.i.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs.....lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 93-98%, f.o.b. mines.. net ton.32.00 -34.00
washed gravel, 85.3 f.o.b. Ky. and-Ill.-Ky. mines..net ton.24.00 - —
No. 2, lump, 85.5 f.o.b. Ky. ton.
and Ill. mines....net ton.24.00 - —
imported, 85.5, duty paid..... short ton.26.00 - —
Formaldehyde,[1,2,3,4] bbls., c.l., works..lb. .0530- .0575
l.c.l., works.....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
tanks .....lb. .04 - .04¼
Formaldehyde prices are under 4¼c. to 9½c. OPA ceiling.
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga. mines..ton. 8.50 -15.00
f.o.b. Tex. mines.....ton.12.50 - —
Import, Eng., bgs., c.l., dlvd. N.Y...ton.30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
tanks, works.....lb. .09 - —
dms., c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1....lb. .32 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2..lb. .15 - —
No. 3..lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .09½- —
plantation, cases.....lb. .12 Nom.
cubes, Singapore, cases...lb. .09½- .10
extract, bbls.....lb. .09½- .12
Gasoline[2] at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .08 - —
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .07½- —
Gasoline, at refinery, ex tax, Louisiana-Arkansas, US motor, 72-74 octant, tanks, ex tax. gal. .05⅞- .06½
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax. gal. .05⅝- .06⅜
natural, 18-55, tanks....gal. .05½- —
26-70, tanks.....gal. .01¼- —
Gelatin, silver, cs.....lb. .80 - 1.00
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .60 - .61
grd., bbls., bxs.....lb. .63 - .64
powd., bbls., bxs.....lb. .65 - .66
Geraniol, 92-96%, cns., dms....lb. 2.50 - 3.50
other grades, cns., dms.....lb. 1.50 - 1.90
soap, cns., dms.....lb. 1.10 - 1.50
Ginger, African, No. 1, bgs....lb. .26 - .27
Cochin, bgs.....lb. .22 - .22½
Jamaica, bold, bgs.....lb. .40 - .41
medium, bgs.....lb. .37½- .38
grinding, bright, bgs.....lb. .32 - .33
Ginseng root, wild Southern, cs. lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.25
5 tons or over, works. 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. East or Midwest....lb. .16 Nom.
l.c.l. .....lb. .17 Nom.
36/58, c.l.....lb. .15½ Nom.
l.c.l. .....lb. .16½ Nom.
58/82, c.l.....lb. .17 Nom.

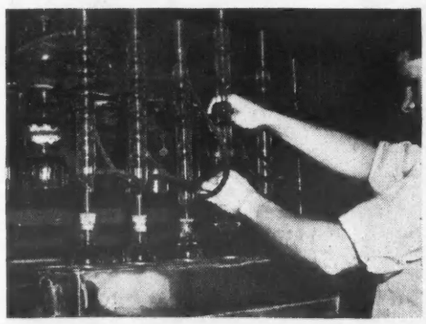


Mister, you need help -not sympathy

THIS IS HOW MM&R HELPS MANUFACTURERS MAINTAIN PRODUCTION ESTIMATES WITHOUT SACRIFICING QUALITY OR PRODUCT IDENTITY

1. Once a Familar Scene in peaceful France were the Lavender pickers whose industry supplied the U.S. with the raw material for Oil of Lavender Flowers. Today such unobtainable oils, and the zooming prices of others, are playing havoc with production budgets and manufacturing formulæ. In almost every instance MM&R has a solution that can help the manufacturer out of a tight spot.

2. Through World-Wide Sources, an MM&R purchasing organization that is international in scope, scours raw material markets for first quality oils. The uncertainties of today's primary sources of supply have brought no relaxation of the vigilant purchasing and production efforts that have helped build the MM&R reputation for consistent satisfaction to a constantly expanding clientele.



3. Maintenance of Quality, even in these times, is a prime necessity for manufacturers of countless products. To help, MM&R laboratories are working over-time to improve quality, wherever this is possible, without increasing the price of Essential Oils.

4. "Third Degree" best describes the extensive laboratory triple-checking to which every Essential Oil sample is subjected before receiving final O.K. from MM&R's technical superintendent

5. Without Sacrifice of odor characteristics or effectiveness MM&R technicians are providing synthetic substitute perfume oils. Budget-stymied production men should inquire.

Glue, bone, calcimine type, 58 millepoise, 82 jellygrams, bgs., l.c.l. ..... lb. .18 Nom.
82/108, c.l. ..... lb. .17½ Nom.
l.c.l. ..... lb. .18½ Nom.
hide, calcimine type, 59 millipoise, 135 jellygrams, bgs., c.l., dlvd. East or Midwest .. lb. .19 Nom.
l.c.l. ..... lb. .20 Nom.
60/164, c.l. ..... lb. .19½ Nom.
l.c.l. ..... lb. .20½ Nom.
67/122, c.l. ..... lb. .21½ Nom.
l.c.l. ..... lb. .22½ Nom.
75/222, c.l. ..... lb. .24½ Nom.
l.c.l. ..... lb. .22½ Nom.
68/251, c.l. ..... lb. .24½ Nom.
l.c.l. ..... lb. .25½ Nom.
92/283, l.c.l. ..... lb. .26½ Nom.
l.c.l. ..... lb. .28½ Nom.
102/315, c.l. ..... lb. .27½ Nom.
l.c.l. ..... lb. .28½ Nom.
113/347, c.l. ..... lb. .28 Nom.
l.c.l. ..... lb. .28 Nom.
125/379, c.l. ..... lb. .29 Nom.
l.c.l ..... lb. .30 Nom.

Glue prices for barrel packing are ½c. per lb. higher; grinding charges, 20-40 mesh ½c. per lb.; 60 mesh, 1c. per lb.

Glycerin[1], Zones A and C, C.P., (B.P. 98%), drums, carlots, dlvd. .lb. .18¾- —
less carlots, dlvd. .... lb. .19¼- —
tanks, dlvd. ..... lb. .18½- —
C.P. (USP 95%), drums, carlots, dlvd. .lb. .18¼- —
less carlots, dlvd. .... lb. .18¾- —
tanks, dlvd. ..... lb. .18 - —

Glycerin, dynamite, high gravity, yellow distilled, drums, carlots, dlvd. .lb. .18¼- —
less carlots, dlvd. .... lb. .18⅝- —
tanks, dlvd. ..... lb. .18 - —
Soaplye, 80%, drums, carlots, dlvd. .lb. .11½- —
less carlots, dlvd. .... lb. .11½- —
tanks, dlvd. ..... lb. .11½- —
Saponification, 88%, to refiners, drums, c.l., dlvd. .lb. .12¾- —
less carlots, dlvd. .... lb. .12¾- —
tanks, dlvd. ..... lb. .12¾- —
Saponification, 88%, for individual uses, drums, carlots, f.o.b. point of manufacture. lb. .13¾- —
less carlots, same basis. lb. .14¾- —
tanks, same basis. .... lb. .12¾- —
Glycerin prices in Zone B are 2c. higher.

Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col., east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klickitat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamatch; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

Glycine, medicinal, bbls., tins .lb. 1.70 - 2.00
Glycol boriborate, dms. .... lb. .22 - —
Phthalate, dms. ..... lb. .38 - —
Stearate, dms. ..... lb. .26 - —
Gold, U.S. purchase price .... oz. 35.00 - —
Chloride, acid brown, both .. oz. 20.75 -21.00
yellow, bots. ..... oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots. ..... oz. 14.50 -14.75
Gold of pleasure, seed, bgs. .... lb. .19 - .20
Goldenseal, root, bls. ..... lb. 3.95 - 4.15
powd., bxs. ..... lb. 4.15 - 4.25
Grains of Paradise, bgs. ..... lb. .34 - .35
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works .. lb. .07 - —
bbls., c.l., works .... lb. .07½- —
l.c.l., works ..... lb. .07½- —
powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works .. lb. .02½- —
l.c.l., works ..... lb. .03¼- —
bbls., c.l., works .... lb. .02¾- —
80% graphite, carbon, bgs., c.l., works .. lb. .03½- —
bbls., c.l., works .... lb. .03¾- —
l.c.l., works ..... lb. .04¼- —
Grease, house, louse ..... lb. .08¾- .08½
white, loose ..... lb. .09 - .09½
Wool (see Adeps lanae and Degras).
Green,[2] chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis .. lb. .23 - —
6-10%, bbls., same basis .lb. .24 - —
11-15%, bbls., same basis .lb. .25 - —

Glue—Gum, Copal

Green chrome, C.P., dark, light, medium, blue content, 16-20%, bbls., same basis .. lb. .25½- —
21-25%, bbls., same basis .lb. .26 - —
26-30%, bbls., same basis .lb. .26½- —
31-35%, bbls., same basis .lb. .27½- —
36-40%, bbls., same basis .lb. .29 - —
41-45%, bbls., same basis .lb. .30½- —
46-50%, bbls., same basis .lb. .33 - —
Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago reduced, CP, color content up to 5%, same basis .. lb. .06½- —
9-10%, bbls., same basis .lb. .07¼- —
11-13%, bbls., same basis .lb. .07⅝- —
14-16%, bbls., same basis .lb. .08 - —
17-19%, bbls., same basis .lb. .08¼- —
20-21%, bbls., same basis .lb. .08½- —
22-23%, bbls., same basis .lb. .08⅝- —
24-25%, bbls., same basis .lb. .09 - —
26-27%, bbls., same basis .lb. .09¼- —
28-29%, bbls., same basis .lb. .09⅝- —
30-31%, bbls., same basis .lb. .10¼- —
32-33%, bbls., same basis .lb. .11⅛- —
34-35%, bbls., same basis .lb. .12⅝- —
36-40%, bbls., same basis .lb. .14⅝- —
41-45%, bbls., same basis .lb. .16⅝- —
46-50%, bbls., same basis .lb. .17¼- —
51-55%, bbls., same basis .lb. .17⅝- —
56-60%, bbls., same basis .lb. .18¼- —
61-65%, bbls., same basis .lb. .18⅝- —
66-70%, bbls., same basis .lb. .19⅝- —
71-75%, bbls., same basis .lb. .20⅝- —
Green, chrome oxide, dom., pure, bbls. .lb. .25 - —
ceramic, light shades, bbls., c.l., works .. lb. .25 - —
l.c.l., works ..... lb. .27 - —
standard grade, bbls., works .. lb. .23½- —
Tetrahydroxide, bbls. ..... lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs. ..... lb. 3.75 - —
emerald, kgs. ..... lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls. ..... lb. .09 - .10
Guaiac resin, cs. ..... lb. .80 - .85
strained, cs. ..... lb. .85 - .90
Wood, bls. ..... lb. .04 - .05
Guaiacol, liq., dms. ..... lb. 1.75 - 2.01
Carbonate, fib. dms., 25 lbs. .lb. 2.40 - 2.74
Guarans, powd., cs. ..... lb. .95 - 1.00
Gum Aloe (see A).
Ammoniac, tears, cs. ..... lb. .80 - .85
Arabic, amber sort, cleaned, bgs. .lb. .17½- .18
powd., bbls. ..... lb. .21½- .22
white, sorts, 1, bgs. ..... lb. .33 - .35
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs. ..... lb. 2.75 - 3.00
Sumatra, cs. ..... lb. .28 - .28
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots .. lb. .40 - .42
Copal, Congo, 1, water white transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco .. lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading packed in bags, unless otherwise specified; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white. ..... lb. .29½- —
3, selected pale straw, bold, lb. .24½- —
4, pale straw, bold. ..... lb. .24 - —
5, pale straw, bold. ..... lb. .22⅝- —
6, pale amber, bold. ..... lb. .21½- —
7, pale straw, bold. ..... lb. .17 - —
8, light amber, bold. ..... lb. .17 - —
9, medium light amber, bold, lb. .13⅞- —
10, rescraped hard amber, bold .. lb. .13⅝- —
11, hard dark amber, bold lb. .12⅜- —
12, selected bold sorts. .... lb. .11⅞- —
13, dark sorts bold. ..... lb. .09¼- —
14, selected, fully scraped, ivory .. lb. .23⅜- —
15, ordinary ivory sorts, .. lb. .10⅜- —
16, inferior ivory sorts. ... lb. .09½- —
17, pale fingers. ..... lb. .18⅜- —
18, pale straw nubs. ..... lb. .19½- —
19, pale straw nubs. ..... lb. .18⅝- —
20, hard dark amber nubs, lb. .13¼- —
21, ordinary selected nubs, lb. .12⅜- —
22, small mixed nubs. ..... lb. .10⅜- —
23, dark mixed nubs. ..... lb. .11⅞- —
24, No. 1, ivory nubs. ..... lb. .17⅛- —
26, pale small nubs. ..... lb. .10⅜- —
27, pale small nubs. ..... lb. .10¼- —
28, pale dust. ..... lb. .06¾- —
Batu, bold scraped. ..... lb. .11⅛- —
unscraped ..... lb. .10⅛- —
chips ..... lb. .07⅛- —
dust ..... lb. .07 - —
nubs and chips. ..... lb. .07⅛- —
black, bold, scraped. ..... lb. .12⅛- —
unscraped ..... lb. .08 - —
nubs and chips. ..... lb. .07⅛- —
Hiroe, Macassar, pale bold, lb. .17⅜- —
chips ..... lb. .11⅛- —
dust ..... lb. .07 - —
nubs ..... lb. .13⅝- —
Singapore, Rasak, bold. .... lb. .22⅜- —
chips ..... lb. .12⅜- —
dust ..... lb. .07 - —
nubs ..... lb. .17⅜- —
Manila, Boeas, amber and dark, bskts. .lb. .14 - —
light, bskts. ..... lb. .15⅜- —
Loba A, bskts. ..... lb. .14½- —
B, bskts. ..... lb. .14¼- —
C, bskts. ..... lb. .13⅞- —
CNE, bskts. ..... lb. .10½- —
D, bskts. ..... lb. .13¼- —
DK, bskts. ..... lb. .10 - —
dust, bskts. ..... lb. .07⅛- —
Sambas and white split chips, bskts. .lb. .18⅜- —
Singapore, dust, bskts. .... lb. .07⅛- —
Spirit-soluble, CBB, bskts. lb. .13½- —
DBB, bskts. ..... lb. .12¼- —
MA, bskts. ..... lb. .10¼- —
MB, bskts. ..... lb. .09¾- —
WS, bskts. ..... lb. .12¼- —
Philippine, Manila, amber sorts, bskts. .lb. .10⅝- —
chips, pale, bskts. ..... lb. .13½- —
pale, small, bskts. ..... lb. .11⅞- —
extra pale, sorts, bskts. ... lb. .13¼- —
nubs, bskts. ..... lb. .14¼- —
scraped, bskts. ..... lb. .15½- —
seeds and dust, bskts. .... lb. .09¼- —
Pontianak, bold, genuine, bgs. lb. .22⅞- —
mixed, bgs. ..... lb. .17⅞- —
split, bgs. ..... lb. .19⅝- —
chips, bgs. ..... lb. .12⅞- —
nubs, bgs. ..... lb. .18⅞- —

A PARTIAL LIST OF WIDELY USED MM&R PERFUME & FLAVOR OILS • REPLACEMENTS

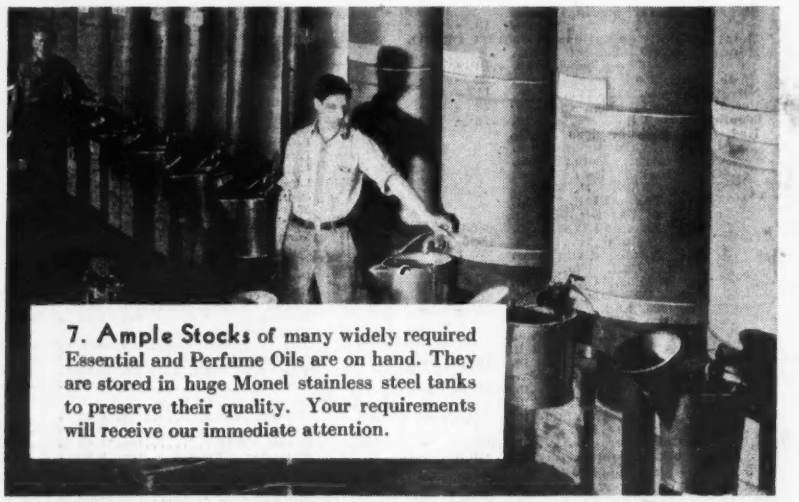
PERFUME OILS:
Rose Gladis (for shaving creams)
Lime Blossom Bouquet (for vanishing cream)
Colonial Bouquet (for toilet waters)
Bouquet No. 71 (for face powders)
Eau de Quinine M. O. (for hair tonics)
Forest Pine Bouquet (for bath preparations)
Rosesol MM&R (for water soluble Rose preparations)
Perfume Oil Narcissus (fine basic odor for blending)

FOR INSECTICIDES:
Perfume Oil Sweetgrass
Neutralizer No. 801 MM&R
Neutralizer No. 202 MM&R

FLAVORS:
Eucalyptus U.S.P. Redistilled Australian
Oil Celery Seed MM&R
Oil Lemon Exp. U.S.P.
Oil Sweet Orange Exp. American U.S.P.
Oil Sweet Orange Exp. Brazilian U.S.P.
Oil Grapefruit Select

REPLACEMENTS:
Imit. Lavender Oil No. 30
Imit. Bergamot MM&R
Oil Lemongrass Sub. No. 619
Citronella Sub. No. 21
S-O-Frass (for Oil Sassafras Artif.)
Japp-O MM&R (for Oil of Camphor Water White)
Sass-O MM&R (for Oil of Camphor Sassfrassy)
Annol MM&R (for Oil of Anise—technical use)

6. Like a Who's Who of America's best known manufacturers reads the MM&R customer roster. Serving more producers than at any time in almost a half century, MM&R has a greater responsibility to American industry now than ever before. To the many drug, cosmetic, insecticide, soap, confectionery, food and allied products manufacturers, MM&R pledges its earnest cooperation, the full assistance of its technical staff for the solution of flavoring, perfuming and deodorizing problems.

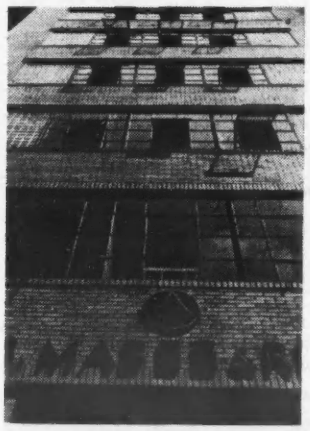


7. Ample Stocks of many widely required Essential and Perfume Oils are on hand. They are stored in huge Monel stainless steel tanks to preserve their quality. Your requirements will receive our immediate attention.

It has been an MM&R privilege to cooperate with many manufacturers in *finding the answer* to difficult perfuming and flavoring problems. For many other producers, the answers to their immediate difficulties may be available at once, *simply for the asking.* When this is not the case, the M M & R technical department will conduct the necessary tests to find a solution. *Your inquiries are welcome.*

MAGNUS, MABEE & REYNARD, INC.
QUALITY ESSENTIAL OILS, BALSAMS, AROMATIC CHEMICALS, BASIC PERFUMES, FLAVORING MATERIALS ... SINCE 1895
16 DESBROSSES STREET, NEW YORK CITY • 221 NORTH LASALLE STREET, CHICAGO

8. No. 1 Choice of America's 65,000 drug store, college and hospital pharmacies is the M M & R line of packaged Essential Oils and Balsams. Where quality is important, the M M & R brand receives primary consideration.



9. Symbol of Progress is the new M M & R plant in New York City. In M M & R's recently enlarged Chicago warehouse sufficient supplies are stocked for efficient servicing of the great area served by this center.

Gum, Dammar—Lime Sulphur

Gum, Dammar, Batavia, A, cs., same basis as copal..lb. .35½- —
A/C, cs.....lb. .31½- —
A/D, cs.....lb. .28½- —
A/E, cs.....lb. .25½- —
B, cs.....lb. .34½- —
C, cs.....lb. .28½- —
D, cs.....lb. .25½- —
dust, cs.....lb. .13½- —
E, cs.....lb. .18½- —
F, cs.....lb. .19½- —
Singapore, 1, cs.....lb. .30½- —
2, cs.....lb. .25½- —
3, cs.....lb. .12½- —
chips, cs.....lb. .23½- —
dust, cs.....lb. .13 - —
seeds, cs.....lb. .17½- —
Elemi, cns., same basis as copal..lb. .08½- —
Ester, ordinary, c.l., dms., contract, dlvd. New Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .08½- .09½
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .09 - .10
Pacific Coast (water shipt.)..lb. .08½- .10
Other points.....lb. .08¾- .10½

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ¼c. per pound higher in each case. Spot prices are ¼c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .15½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17½- —
Kino, tins.....lb. No stocks
Locust bean, powd., bbls.....lb. 1.10 - 1.15
Mastic, cs.....lb. 2.85 - 3.00
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .92 - .95
Scammony, cs.....lb. 1.10 - 1.25
Talha, bgs.....lb. .08 - .09
Thus, bbls.....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.25 - 3.40
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 1.10 - 1.20
Yacca, bgs.....lb. .06½- .07¾
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brigton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N.Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N.Y..ton.12.00 - —
import, bgs., ex dock....ton. No prices

H

Hawthorn berries, bgs.....lb. .65 - .70
Heliotropin, cryst., cns.....lb. 4.25 - 5.00
Hellebore root, write, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .60 - .61
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
No. 4..lb. .26 - —
No. 5..lb. .24 - —
paste, bxs, No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .09½- .10
Henbane leaves, bbls.....lb. 3.25 - 3.30
Henna leaves, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .30 - .31
Heptanes,[2] 56°-100°C, industrial grade, dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
77°-115°C, industrial grade, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[3,4,5] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexanes,[2] 60°-70°C, industrial grade, dms., c.l., Group 3..gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .11 - —
laboratory grads, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 3.00 - 3.05
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .13 - .15
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.20.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. 100 vols., chys., E. of Miss. River: West Coast via Panama Canal..lb. .03¾- .04
.16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.90 - 6.05
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.37.50 - —
Hydrobromide, bots.....oz.37.50 - —
Sulphate, bots.....oz.37.50 - —
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2..lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2..lb. .19 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.28.00 -30.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.07 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns.....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.50 - 1.55
powd., bxs.....lb. 1.60 - 1.65
Irish moss, ordinary, bls.....lb. .30 - .31
powd., 80-90 mesh, bbls..lb. .35 - .36
prime bleached, bls.....lb. .45 - .46
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. allo. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., cns.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms..lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .23½- —
Iron-soda ovalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works..lb.0860 - —
tanks, works.....lb.0760 - —
Propionate, dms., works...lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. allo..lb. .12 - —
c.l., E. of Rockies, frt. allo. .08½- —
l.c.l., E. of Rockies, frt. allo..lb. .09 - —
tanks, E. of Rockies, frt. allo..lb. .07½- —
Alcohol (see Alcohol).
Isopropyl, ether, dms., 5 gals., frt. allo..gal. .55 - —
55 gals., c.l., E. of Miss., frt. allo..gal. .35 - —
55 gals., c.l., W. of Miss., frt. allo..gal. .39 - —
l.c.l., E. of Miss., frt. allo., gal. .44 - —
tanks, E. of Miss., frt. allo., gal. .25 - —
W. of Miss., frt. allo., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .55 - .60
powd., bbls., bxs.....lb. .60 - .65
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .60 - .65

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene[2] at refinery:—
Bayone, 41-43 w.w., tanks, gal. .05½- —
California (f.o.b. San Francisco), truck..gal. .11½- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04½- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅝- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .06¼- .06½
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .43 - .43
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.11.25 -11.50
Middlewestern, trcs....100 lbs.10.55 -10.65
Neutral, trcs.....100 lbs.11.50 -11.75
Western, choice, trcs....100 lbs.10.65 -10.75
Compound, trcs.....100 lbs.15.00 -15.25
Larkspur seed, bgs.....lb. 6.00 - 6.25
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .58 - .59
Portuguese, bls.....lb. .16 - .17
Lavender flowers, ordinary, bls.lb. .45 - .50
medium, bls.....lb. .83 - .85
select, bls.....lb. .95 - 1.00
Lead,[3] metal (see paint market).
Acetate, white, broken, bbls. lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. .12¾- .13¼
Arsenate, bls., c.l.....lb. .09 - .11
l.c.l., bgs.....lb. .09½- .11½
Lead arsenate prices are works or whse. basis, frt. allo. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¾- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
l.c.l., dlvd. E.....lb. .07 - —
Ariz., Cal., Col., Idaho, Mont., Nev., N.M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs..lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works...lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0860- —
Other points.....lb. .0885- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
other points.....lb. .08⅝- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09⅝- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, dlvd. Ala..lb. .09⅝- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs. lb. .12¾- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. .0659- —
smaller lots.....lb. .0701- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Lead, nitrate, bgs., or bbls., c.l., basic sulphate, bbls., c.l., (20 tons), works, frt. allo..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. allo..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. allo..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., dlvd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
White, in oil, 100-lb. kgs., consumers..lb. .13¼- —
dealers.....lb. .11¼- —
painters.....lb. .12¼- —

Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b. N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis. lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, natural, bls.....lb. .28 - .30
powder, bbls., bxs.....lb. .32 - .36
select, bdls., cs.....lb. No stocks
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.25 - —
Eagle Mountain, Va..ton. 7.25 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Sciote, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.:—
Adams., Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Spray, paper bgs., f.o.b.—
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs. or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks. gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50, dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks. gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —

Lime sulphur, solution, Zone 6, tanks, dealers..gal. .07½- —
30-50, dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. river; Penn., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 4.75 - 5.00

Linalyl acetate, 70%, cns.....lb. 5.50 - 6.00
90%, cns.....lb. 6.50 - 6.75
92%, cns.....lb. 7.00 - 7.25

Linden flowers, bls.....lb. .85 - .90
without leaves, bls.....lb. No stocks
Linseed, meal, bgs.....ton.31.00 - —
Litharge, com'l powd., bbls., 20 tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore., and Wash..lb. .0760- —
dlvd. other points.....lb. .0735- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .06 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .06½- —
Colo., Mont., N. Mex., Wyo..lb. .06¼- —
Other points.....lb. .07¾- —
smaller lots, dlvd., Ala..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls., lb. 1.25 - —
100-lb. kgs. .....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms. .....lb. 1.45 - —
100-lb. kgs. .....lb. 1.40 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Iodide, 5-lb. bots. .....lb. 5.20 - —
25-lb. jars .....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb .06¼- —
smaller lots .....lb. .06½- —
bbls., c.l. (20 tons).....lb. .06½- —
smaller lots .....lb. .06¾- —
Lithopone, ordinary, bgs., c.l. (20 tons)..lb. .0385- —
smaller lots .....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots .....lb. .0435- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¼c. higher ex whse. Pac. Cst.

Liverwort, leaves, bls.....lb. .55 - .60
Lobelia, herb, bls.....lb. .50 - .55
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1.....lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1.....lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. No stocks
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs. .....lb. 8.50 - 9.00

M

Mace, Banda, cs.....lb. .45 - .46
Batavia, cs. .....lb. .29 - .30
Siauw, cs. .....lb. .35 - .36
West Indian, cs.....lb. .50 - .51
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs. .....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs. .....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
l.c.l., bgs. .....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¼- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs. .....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md. c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Magnesium, hypophosphite, cns., 100 lb..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .20 - .25
Stearate, bbls., ctns., 1 ton..lb. .31 - —
smaller lots.....lb. .33 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs...ton.72.00 -80.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. 1.75 - 2.00
blue, bls.....lb. 2.25 - 2.50
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .25 - .26
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs. .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Resinate, fused, 3½%, bbls.ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .10½- —
single, bbls., works....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt....ton.37.00 -38.00
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. 3.45 - 3.50
Mannitol, com'l grade, bbls., ton lots, works...lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.50 -14.50
Marjoram, French, No. 1.....lb. .75 - .80
Tunisan, bls. .....lb. .29 - .30
Chilean .....lb. .22 - .23
Menthol, natural, Chinese, cs..lb. 9.00 - 9.25
Japanese, cs.....lb. 9.00 - 9.25
synthetic, USP, cs.....lb. No prices
technical, 60-lb. cs.....lb. 3.00 - —
smaller lots.....lb. 3.10 - 3.25

Lime Sulphur—Methanol

Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.66 - 4.71
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.76 - 4.81
fib. dms., 100 lbs.....lb. 4.70 - —
Nitrate ointment (see Citrine ointment).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Oxide, red, NF (see Red precipitate).
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural, 1,[5,6] producer group A, all grades, E. of Miss. R., tanks..gal. .60 - —
dms., c.l.....gal. .66 - —
l.c.l .....gal. .76 - —

Methanol prices W. of Miss. R. are 3c. per gal. higher.

Natural, group B, pure, tanks, frt. alld., Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

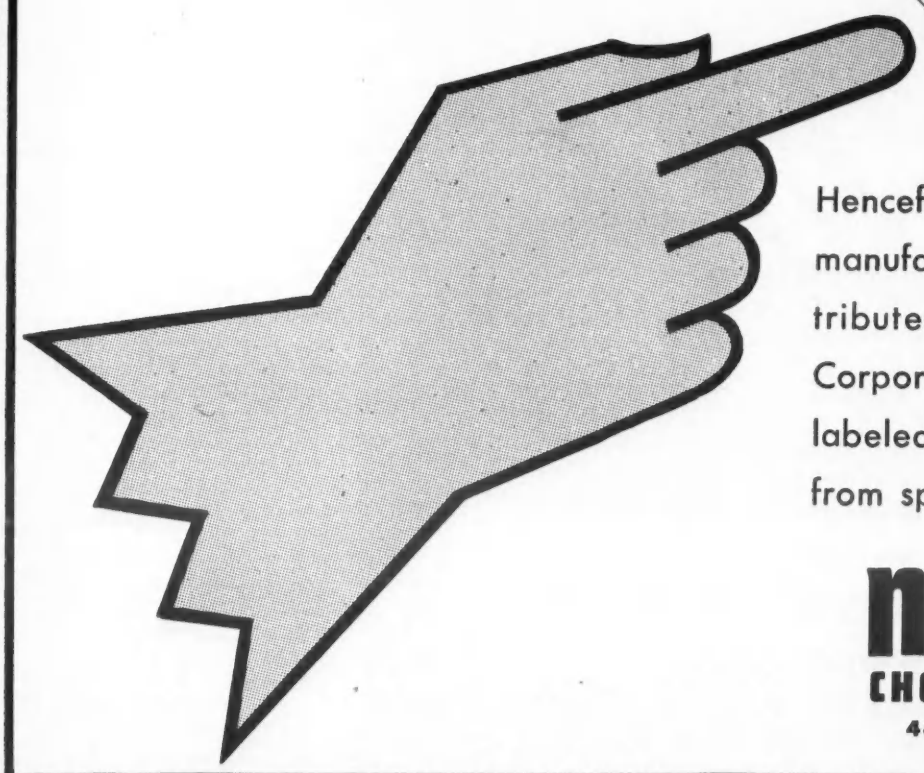
Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H.; N. J.; N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark, Col., Fla., Ga.,, Kan., La., Miss.., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash.. Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

IMPORTANT ANNOUNCEMENT

TO LECITHIN USERS . . . . .

ENCOLOID
VEGETABLE LECITHIN



Henceforth domestic Vegetable Lecithin manufactured for and exclusively distributed by the Neuberg Chemical Corporation will be trade-named and labeled as Encoloid. Prompt delivery from spot stocks. We solicit inquiries.

NEUBERG
CHEMICAL CORPORATION
441 LEXINGTON AVENUE, N. Y. C.

Methanol—Musk

Methanol, synthetic, [2], [3], [6], pure, dms., c.l., Zone 1, frt. alld. gal. .34½- —
2, frt. alld.....gal. .36½ —
3, frt. alld.....gal. .38½ —
4, frt. alld.....gal. .40½ —
dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld. or dlvd..gal. .44½- —
3, dlvd., S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd..gal. .52½ —
tanks, Zone 1, frt. alld....gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½ —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich, Minn., Mo., N. H. N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark, Col.,; Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - .12½
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R.lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - .09
W. of Miss. R.....lb. .08 - .10
l.c.l., dlvd. E. of Miss. R. lb .07½- .09¼

Methyl acetate, tech., dms., c..., dlvd. W. of Miss R...lb. .08½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .75 - —
dms., c.l., same basis.....gal. .81 - —
l.c.l., same basis...gal. .86 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1.gal. .60 - —
Zone 2.....gal. .62 - —
Zone 3.....gal. .64 - —
Zone 4.....gal. .64½- —
dms., c.l., Zone 1.....gal. .65½- —
Zone 2.....gal. .67½- —
Zone 3.....gal. .69½- —
Zone 4.....gal. .71½- —
l.c.l., Zone 1.....gal. .68½- —
Zone 2.....gal. .85½- —
Zone 3.....gal. .72½- —
Zone 4.....gal. .85½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis, Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic tanks, Zone..gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .51 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - —
25-lb. lots, bots.....lb. 2.35 - —
Benzoate, cns., 25 lbs.....lb. 1.10 - 1.15
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Methyl, salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated[3] violet toner, bbls. lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works...lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1, quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .62 - —
500 lbs.....lb. .62½- —
100 lbs.....lb. .63 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l...ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l..lb. .04½- —
l.c.l.....lb. .05 - —
paper, wall or coated, c.l..lb. .04¾- —
l.c.l.....lb. .04¾- —
rubber, c.l.....lb. .04 - —
l.c.l.....lb. .04½- —
biotite, c.l.....lb. .03½- —
l.c.l.....lb. .04 - —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in carload lots is frt. alld. E., and in less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c per lb. higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .14½- —
l.c.l.....lb. .15½- —
spray, bbls., c.l.....lb. .14½- —
l.c.l.....lb. .15½- —
unskimmed, roller, bbls., c.l., lb. .27 - —
l.c.l.....lb. .27½- —
spray, bbls., c.l.....lb. .27 - —
l.c.l.....lb. .27½- —
Millet seed, yellow, bgs.....lb. .02¼- .02¾
early fortune, bgs.....lb. .0230- .0250
hulled, bgs.....lb. .06½- .06¾

Mineral spirits (see Petroleum thinners and VM & P naphtha).

Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .14½- .15
f.o.b. Gulf ports.....gal. .14 - .14½
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Mo. content, works.lb. .93 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethylanilin, dms.....lb. .47 - —
Monomethylamine, dms., c.l., l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l. works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.50 - 1.55
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
Musk, xylol, cns., 100 lbs. or more..lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —

Exchange

OIL OF LEMON U·S·P·

Outsells ALL OTHER BRANDS COMBINED 3 to 1

Sold to the American Market Exclusively by

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16 - .16½
yellow, bgs.....lb. .12½- .13
Chinese, yellow, bgs.....lb. .07½- .08
Danish, yellow.....lb. .27 - .28
Montana, yellow, bgs.....lb. .06¾- .07¼
Roumanian, yellow.....lb. .14½- .15
Washington, yellow, bgs.....lb. .07 - .07½
Myrobalans, J1, bgs., f.a.s...ton. No prices
J2, bgs., f.a.s.....ton. No prices
Extract, liquid, 25%, bbls.....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. No prices

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[6] crude, dom., 74 deg., tanks, works...100 lbs. 2.50 - —
78 deg., tanks, works..100 lbs. 2.75 - —
Refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .08 - —
50-lb. cs., same basis....lb. .08½- —
pkgs. (16 oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....ub. 1.70 - 2.00
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .12 - .12½
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms..works.lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 2.25 - —
Chemical, Ill.....unit-ton. 2.25 - —
East Coast producing points unit-ton. 2.75 - 3.00
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane 1, l.c.l., dms., works lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz.....lb. .27 - .28
Chinese .....lb. .80 Nom.
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .19 - .20
110s, bgs., cs.....lb. .15 - .15½
small, grinding, bgs.....lb. .14 - .14½
West Indian, bgs.....lb. .11½- .12
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02 - —
Ocher (see Yellow).
Octane,[2] 100-140° C., industrial grade, dms., c.l., G. 3, gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., dms., cns. lb. 2.35 - 2.45
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.75 - 4.00
Angelica, root, bots.....lb. 115.00-120.00
seed, bots.....lb. 120.00-125.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 1.10 - 1.15
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. 1.00 - 1.25
Bay, W. I., 50-55% phenols, cns..lb 1.25 - 1.50
55-66% phenols, cns.....lb. 1.35 - 1.60
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb.32.00 -35.00
Birch (see Oil, sweet, birch).
Brchtar, crude, cns.....lb. .90 - —
rect'fd., cns.....lb. 1.50 - -
Bois de Rose, Brazil, cns....lb. 4.00 - 4.25
Mexican (see Linaloe, wood).
Bone, dms., works.....gal. .65 - .75
Cade, USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. 1.30 - 1.35
USP IX, cns.....lb. 1.65 - 1.70
USP, X, cns.....lb. 2.15 - 2.20
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .29 - .30
dms. .....lb. .27 - .29
white, cns.....lb. .32 - .33
dms. .....lb. .30 - .31
Cananga, native, cns.....lb.11.50 -12.00
rectified, cns.....lb.12.50 -13.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.85 - 5.50
Caraway, USP, cns.....lb.15.00 -16.00
Cardamom, bots.....lb.25.50 -35.00
Cassia, USP, cns.....lb. 8.00 - 8.25
Castor, blown, one-way dms., c.l..lb. .14 - —
l.c.l. .....lb. .14¾- —
Oil, castor, cold pressed, USP, bbls., c.l..lb. .12¾- —
l.c.l. .....lb. .13¾- —
cns. (1-gal.), l.c.l.....lb. .16½- —
cns. (5-gal), l.c.l.....lb. .14½- —
dms. (returnable), c.l...lb. .12½- —
l.c.l. .....lb. .13¼- —
tanks .....lb. .11¾- —
dehydrated, dms., c.l.....lb. .1690- —
l.c.l. .....lb. .1730- —
tanks .....lb. .16 - —
extracted, No. 3, tech., bbls., c.l..lb. .12¼- —
l.c.l. .....lb. .13 - —
dms. (returnable), c.l.....lb. .12¼- —
l.c.l .....lb. .13 - —
tanks .....lb. .11½- —
sulphonated, 50% (43% fat), dms., c.l..lb. .08¼- —
l.c.l. .....lb. .09¼- —
75% (63% fat), dms., c.l...lb. .11 - —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —
Cedarleaf, cs.....lb. 1.10 - 1.40
dms. .....lb. .98 - 1.35
Cedarwood, Southern, cns.....lb. .35 - .36
dms. .....lb. .33 - .34
Celery, bots.....lb.30.00 -35.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms. .....lb. .35¼- .36½
tanks .....lb. .34¼- .35
Pacific Coast, tanks.....lb. .34 - .34¾
Cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. 1.00 - 1.20
Citronella, Ceylon, cns.....lb. .76 - .77
dms. .....lb. .71 - .72
Java, cns., dms.....lb. .82 - .85
Clove, makers, USP, cns....lb. 1.30 - 1....
dms. .....lb. 1.25 - 1.30
Coconut, Manila, crude, tanks, lb. .07⅝- .07¾
edible, 76°, ret. dms., l.c...lb. .14 - .14¼
Oil, cod, Newf., dms.....gal. .78 - .80
Codliver, med., USP.....bbl.85.00 -90.00
Coriander, bots.....lb.25.00 -30.00
Corn, crude, tanks, works....lb. .11½- .11¾
refd., bbls.....lb. .14½- .15
Cottonseed, cooking, bbls....lb. .13¼- —
salad, bbls.....lb. .15½- —
Creosote (see C).
Croton, N.F., cns.....lb. 3.00 - 3.25
Cubeb, USP, cns.....lb. 3.75 - 3.50
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -12.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dill seed, bots.....lb. No stocks
weed, bots.....lb. 7.00 - 7.25
Dip (see D).
Erigeron, cns. .....lb. 2.25 - 2.35
Eucalyptus, cns. .....lb. .75 - .80
dms. .....lb. .70 - .75
Fennel, sweet, cns.....lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf)
Geranium, Algerian, rose, cns. lb.17.00 -18.00
Bourbon, cns.....lb.17.00 -18.00
Turkish (see Palmarosa).
Grapefruit, cns. .....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms. .....lb. .20 - .25
Ginger, dist., bots.....lb.17.00 -20.00
Gualac wood, concrete, bots..lb. 4.50 - 4.75
Halibut liver, ref., dms....gal,73.00 Nom.
Hemlock, cns. .....lb. .95 - 1.15
Juniper, berry, cns.....lb.10.00 -20.00
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .80 - .95
Lard, common, 1, bbls.....lb. .13 - —
2, bbls.....lb. .12¾- —
extra, bbls.....lb. .13¾- —
1, bbls.....lb. .13¼- —

Musk Root—Oil, Lubricating

Oil, lard, winter, strained, bbls. lb. .14 - —
prime, burning, bbls.....lb. .14½- —
prime, ined., bbls.....lb. .14¼- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. No stocks
Lavender, flower, French, cns. lb. 7.75 -11.25
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.85 - 3.10
dms. .....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 Nom.
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Uruguay, 10 kilo cans.....lb. 5.50 - 5.75
Lemongrass, native, cns., dms. .o. 2.25 - 2.30
Lime, dist., cns.....lb. 8.50 - 9.00
expressed, cns.....lb.12.50 -12.75
Terpeneless .....lb.46.50 -78.00
Lignaloe, wood, Mexican, cns. cns..lb. 3.50 - 3.75
Brazilian (see Bois de rose).
Linseed, raw, dms., c.l.....lb. .1000- .1020
l.c.l., 10 to 69.....lb. .1020 -.1040
5 to 9.....lb. .1060 -.1080
less than 5.....lb. .1080 -.1100
tanks .....lb. .0910- .0930
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¼- 4, tanks. gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½

Cyclamal

The Accepted Basis For Floral Perfumes

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A single chemical having the Properties most desired by the perfumer.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.)
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Result: The assurance that your product will reach the consumer properly perfumed and that your expenditure for perfume has not been wasted.

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Freedom from Discoloration

Result: No worries about returned goods from this cause.

Cyclamal is of 100% Purity

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Ionone 100%
Ionone Methyl
Alpha Amyl Cinnamic Aldehyde

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Oil, Lub.—Petroleum Solvent

Oil, lubricating, Group 3, bright stocks, 100-210 D, 0-25 pour, tanks..gal. .19½- .24½
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .12¼- .17¾
200-280 vis., 3, 15-25 pour, tanks..gal. .12 - .14¼
Pennsylvania[2], bright stocks, S color, 140-150 vis., 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-650 flash, tanks..gal. .16 - .18½
600-650 steam ref'd, tanks.. gal. .15 - .16½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .31 - .38½
200 vis., 0-25 pour, tanks. gal. .33- .40½
Mace, dist., cns., dms.....lb. 2.50 - 2.60
Mandarin, Brazilian, cns.....lb. 8.00 - —
Italian, coppers.....lb.15.00 -Nom.
Menhaden, crude, tanks, Balto. gal. .60 - —
ref'd alkali, ret. dms.....lb. .1160- .1220
kettle-bodied, ret. dms....lb. .1260- .1320
light-pressed, ret. dms....lb. .1060- .1120
tanks .....lb. .1000- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.50 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot,[6] 15° c.t., bbls..gal. 1.90 - —
20°, bbls.....gal. 1.80 - —
30°, bbls.....gal. 1.60 - —
extra, bbls.....lb. .13½- —
1, bbls.....lb. .13¼- —
prime, bbls.....lb. .14 - —
pure, bbls.....lb. .17¾- —
Neroli, bots.....lb.200.00 -275.00
Nutmeg, dist., cans, ims....lb. 2.50 - 2.60
Olticica, liquid, dms.....lb. .21¾- .22¼
tanks .....lb. .21 - .21½
solid, dms.....lb. .21 - —
Oleo, 1, bbls.....lb. .12 - —
2, bbls.....lb. .12¾- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 4.00 - 4.15
edible, Calif., dms.....gal. 4.85 - 5.00
imported, dms.....gal. 5.35 - 5.50
foots, dms.....lb. .17 - .17½
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs....lb. 1.60 - —
expressed, Calif., cns.....lb. 3.00 - —
Argentine, 10-kilo cns....lb. 3.00 - 3.25
Brazilian, cns.....lb. 2.85 - 3.10
Florida, cns.....lb. 2.90 - 2.99
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb.35.00 -175.00
Origanum, cs. .....lb. 2.85 - 2.90
Palm, Niger, dms.....lb. .09 - —
Sumatra, tanks.....lb. .08 - —
distorat. ship't, bulk.....lb. .05¼- —
Palmarosa, cns.....lb. 3.25 - 3.50
Paraffin,[2] 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 5.65 - 8.00
Peanut, crude, tanks, mill....lb. .12⅝- .12½
refd., edible, bbls.....lb. .13½- .13¾
Pennyroyal, d.n., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.50
Peppermint, natural, cns., dms. lb. 5.00 - 5.25
redist., USP, cns., dms....lb. 5.25 - 5.50
Perilla, dms.....lb. .22¾- .23
tanks .....lb. .21¾- —
Petitgrain, Paraguay, cns...lb. 1.70 - 1.75
dms.....lb. 1.65 - 1.70
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest. dist., straw-color, dms., dlvd., E. ports..gal. .65 - —
steam-dist., dms.....gal. .65 - 1.00
Pineneedle, Siberian, cns....lb. 2.60 - 2.70
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms....lb. .14¾- —
tax not incl., tanks.....lb. .09 - —
blown, dms.....lb. .17 - .17½
Red, dist., or saponif., dms., dlvd...lb. .12 - .13
tanks, dlvd.....lb. .11¼- —
West coast prices one cent higher.
Rose, synth., bots.....lb. 4.00 -60.00
natural, coppers.....oz.28.00 -30.00
Rosemary, Spanish, cns.....lb. 1.45 - 1.55
dms.....lb. 1.40 - 1.50
Rosin, 1st rectified, ...gal. .48 - —
2d rectified, dms.....gal. .50 - —
3d rectified, dms.....gal. .54 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 2.10 - 2.20
Sandalwood, domestic, distilled, UP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots..lb. 8.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .60 - —
refd., alkali, ret. dms.....lb. .1160- .1220
kettle-bodied, ret. dms....lb. .1260- .1320
light, pressed, ret. dms....lb. .1060- .1120
tanks .....lb. .1000- —
Sassafras, artif., cns.....lb. 1.20 - 1.30
natural, dom., cns., dms...lb. 1.05 - 1.20
Savin, cns..... .....lb. No stocks
Savory, cns.....lb. No stocks
Seal, tanks.....gal. .72 - —
Shark liver, crude, dms..million vitamin units. No prices
Shingle stains, bbls., c.l., works. gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms..lb. .11¼- .11¾
tanks .....lb. .10¾- .11
refd., dms.....lb. .12¾- .13
tanks .....lb. .12 - .12¼
Spearmint, dms.....lb. 3.25 - 3.50
Sperm[3], bleach, 38°, dms....lb. .1270- —
45°, dms.....lb. .1200- —
natural, dms.....lb. .1150- —
Spruce, cns., dms.....lb. .95 - 1.15
Sweet, birch, North, cns.....lb. 3.00 - 4.00
South, cns.....lb. 2.25 - 2.50
Tall, crude, dms., c.l., works. ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00- —
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06¼- .06¾
tanks, dlvd.....lb. .05 - .06⅝
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04¼- —
tanks, works.....lb. .03½- —
Oil, tallow, acidless, bbls.....lb. .13 - —
tanks .....lb. .12¼- —
Tansy, cns.....lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .28 - —
E. ports, c.l.....gal. .27½- —
l.c.l. .....gal. .31 - —
tanks, dlvd. E. cities..gal. .21 - —
rectified., USP, bbls., l.c.l., dlvd., E ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .27 - —
refined, dms.....lb. .29 - —
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.85 - 2.20
white, cns. .....lb. 1.95 - 2.35
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 3.50 - —
Vetiver, Java, bots.....lb.18.00 -19.00
Whale, ref., natural, dms....lb. .1070- —
winter, bleach, dms.....lb. .1110- —
Wheat germ, dms., cont., dlvd., 100 gal..gal.10.00 - —
dms., 50 gal.....gal.11.50 - —
dms., 25 gal.....gal.12.50 - —
dms., 10 gal.....gal.13.50 - —
dms., 5 gal.....gal.14.00 - —
cns., 1 gal.....gal.15.00 - —
White[2], mineral, dom., tech., 50-60 vis., dms..gal. .41 - .49
65-75 vis., dms.....gal. .42 - .50
80-90 vis., dms.....gal. .43 - .52
USP, 80-90 vis., dms.....gal. .45 - .54
95-105 vis., dms.....gal. .50½- .59½
125-135 vis., dms.....gal. .56 - .68
140-150 vis., dms.....gal. .58 - .69
175-185 vis., dms.....gal. .61½- .70¼
200-210 vis., dms.....gal. .64½- .73¾
320-330 vis., dms.....gal. .72 - .81
335-345 vis., dms.....gal. .73 - .82
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns .....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns. .....lb. 2.85 - 3.25
Wormwood, cns. .....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb.20.00 -24.00
Manila, bots. .....lb.35.00 -40.00
Olivine, aggregate c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
Olivine, ground, 325 mesh, c.l., mines..ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium gum, USP, 50-lb. lots, cns. .....lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Mineral, Amer., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
5 bbls., dlvd., other points, etc..lb. .11¼- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls. .....lb. .80 - 1.05
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bbls.....lb. .32 - .33
sweet, bls.....lb. .13 - .17
Haitian, bgs.....lb. .09 - .10
Orris root, Florentine, bgs....lb. 2.75 - 3.50
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.75 - 3.50
Verona, bls.....lb. 2.50 - 3.25
powd., bgs., cns.....lb. 2.75 - 3.50
Orthoamylphenol, l.c.l., dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - .17½
l.c.l., same basis.....lb. .17½- .18
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rocʼdies..lb. .06 - .07½
l.c.l., same basis.....lb. .07 - .08½
100-lb. tins, same basis..lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .16
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .23 - —
extract, bbls., No. 1.....lb. .11 - —
No. 2..lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.75 - 3.00
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .26 - .29
Portuguese, extra fancy, bgs..lb. .35½- .36
good, bgs.....lb. .29½- .30
Spanish, extra fancy, cs....lb. .40½- .41
medium, cs.....lb. .35 - .36
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .13
l.c.l. .....lb. .12½- .15
Paraffin,[1] crude scale, 122-124 A.M.P., 10,000 lbs., f.o.b. seller's shipping point, freight equalized with Whiting, Ind.; N.Y.C.; Phila., Pa.; New Orleans; Baton Rouge, La., and Texas Gulf ports..lb. .04¼- —
Paraffin, crude, 124-126 A.M.P., same basis..lb. .04¼- —
129-131 A.M.P., same basis, lb. .04¾- —
132 or higher A.M.P., same basis..lb. .05¼- —
fully refined, 120-122 A.M.P., same basis..lb. .05 - —
123-125 A.M.P., same basis, lb. .0520- —
125-127 A.M.P., same basis, lb. .0520- —
128-130 A.M.P., same basis, lb. .0560- —
130-132 A.M.P., same basis, lb. .0585- —
131-133 A.M.P., same basis, lb. .0585- —
133-135 A.M.P., same basis, lb. .0615- —
135-137 A.M.P., same basis, lb. .0640- —
138-140 A.M.P., same basis, lb. .0715- —
143-145 A.M.P., same basis, lb. .0810- —
149-151 A.M.P., same basis, lb. .10½- —
semi-refined, 122-124 A.M.P., same basis..lb. .04¼- —
124-126 A.M.P., same basis, lb. .04¼- —
128 or higher A.M.P., same basis..lb. .05¼- —

Paraffin wax, crude scale and semi-refined prices are for barrel delivery; fully refined prices are for slabs delivery. Paraffin in tankcars are .0005c. per lb. less than the above prices; for delivery of smaller than 10,000 pounds prices are .015c. per lb. higher than the above.

Paraformaldehyde,[2,5,6] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98% 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works. lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd. lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Tetra acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes,[2] 28°-35° C., industrial grade, dms., c.l., G.3. gal. .11 - —
l.c.l., G.3.....gal. .19 - —
tanks, G.3 .....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .29 - —
10 gal., G.3.....gal. .55 - —
Pepper, black, Alleppy, bgs....lb. .08¾- .09¼
Lampong, bgs.....lb. .08½- .09¼
Telicherry, bgs.....lb. .08½- .09
white, Java, Muntok, bgs....lb. .09½- .10
Singapore, Muntok, bgs....lb. .09¼- .09¾
Muntok, small berry, bgs..lb. .08¾- .09
red, chillies, Japan, Hontaka.lb. .28 - .29
Mombassa, bgs.....lb. .22½- .23
Sierre Leone, bgs.....lb. .23½- .24
Peppermint leaves, dom., bls..lb. .65 - .70
import, bls.....lb. 1.10 - 1.15
Perchlorethylene,[6] dms., c.l., works, frt. alld., zone 1 lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Peru, balsam, dms.....lb. 1.25 - 1.30
Petrolatum,[2] amber, dms.....lb. .03½- —
l.c.l. .....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l. .....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l. .....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l. .....lb. .07¼- —
snow, dms., c.l.....lb. .06½- —
l.c.l. .....lb. .08 - —
Petroleum,[2] crude, bulk, at wells—
California .....bbl. .43 - 1.41
Canada .....bbl. 1.08 - —
Central West—
Illinois .....bbl. 1.37 - —
Ohio .....bbl. 1.05 - 1.10
Michigan .....bbl. 1.17 - 1.44
Indiana .....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.48
Kentucky, Tennessee.....bbl. 1.22 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico .....bbl. No prices
Midcontinent Oklahoma, Kansas, North Texas).....bbl. .75 - 1.26
Pennsylvania, Ohio, West Virginia—
Bradford, Allegany.....bbl. 2.75 - —
Corning .....bbl. 1.31 - —
N. Y. Transit lines.....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
S. W. Penn lines.....bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Petroleum, crude, at wells:—
Rocky Mountains.....bbl. .96 - 1.20
South Central and Southwestern Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.: S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Petroleum, ether laboratory grade, 30-60° C., c.l...gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60°C., l.c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Petroleum ether prices are spot quotations, f.o.b. Group 3, for material packed in drums.
Petroleum, lacquer diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Welles, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07⅝- .08⅛
Benzol type, tanks..gal. .07⅞- .08⅝
Mineral spirits at refinery, California (f.o.b. San Francisco), 166-252 b.r., tanks, gal. .10½- —
198-290 b.r., tanks...gal. .10¼- —
240-397 b.r., tanks...gal. .10⅛- —
312-408 b.r., tanks...gal. .09 - —
362-438 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¼- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .10 - —
Boston .....gal. .11½- —
Bound Brook, North Amboy, N. J..gal. .10½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10½- —
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul..gal. .19½- —
Newark .....gal. .10½- —
New York (200 gal.)..gal. .10½- —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11⅜- .13½
Providence .....gal. .11- —
Rochester .....gal. .12¼- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha,cleaners, at refinery:—
California f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07⅛- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06⅝- —
tankwagon, Boston, ex tax. gal. .12½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .18 - —
Decatur, inc. 4c. tax..gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .11½- —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals.....gal. .14½- —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
3, same basis.....gal. .22½- —
8, tanks, f.o.b. Wilmington, Cal..gal. .14 - —
30, same basis.....gal. .13½- —
40, same basis.....gal. .13½- —
V.M.& P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston, ex tax, gal. .12½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1800- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06⅝- —
Tankwagon, Boston, ex tax, gal. .11½- —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax.., gal. .1930- —

Petroleum, solvent, Stoddard
Minneapolis-St. Paul, inc.
5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10¼- —
Omaha .....gal. .1360- .1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10¼- .11½
Phenobarbital, 5lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol,[7] USP, dms., c.l., works, frt. equald..lb. .12½- .13
l.c.l., same basis.....lb. .13¼- .13¾
under 1,000 lbs.....lb. .14¼- .14¾
tanks, works.....lb. .11½- .12
Phenolphthalein, USP, bbls.,dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 5.00 - 6.00
dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.90 - 3.50
Phenylethylphenyl acetate, bots. lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.55 - —
hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77%-76%.....long ton. 5.00 - —
land pebble, 68%-66%.long ton. 2.00 - —
70%-68% .....long ton. 2.40 - —
72%-70% .....long ton. 3.00 - —
75%-74% .....long ton. 4.00 - —
Tenn., 72%-70%.....long ton. 5.00 - —
75%-74% .....long ton. 6.00 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride,[8] cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .13 - .16
Phthalamide, bbls., wks., ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride,[8] bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 4.00 - 5.25
Nitrate, bots., vis.....oz. 3.85 - 5.50
Pimento, Jamaica, bgs.....lb. .17½- .18
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .45 - .48
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., 100-lb. lots, dlvd. E. of Miss..lb. 7.65 - —
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .48 - .50
Indian, white, bgs.....lb. .08½- .09
Turkish, bgs.....lb. .34½- .35
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .14 - —
gran., bbls., 250 lbs.....lb. .14 - —
Bichromate,[2,5] spots, c.l., works..lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs. lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., l.c.l., works.....lb. .07½- —
c.l., works..lb. .07 - —
liquid, 45% basis, dms.....lb. .03½- .03¼
tanks .....lb. .02¾- —
solid, 83-92%, dom., dms., c.l., works..lb. .06½- —
l.c.l. .....lb. .06¾- .06¾
Chlorate,[2] cryst., kgs.....lb. .11 Nom.
powd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate,[2,5] kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb higher
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots. works..oz 14.20 -14.95
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb 1.50 - —
100-lb. lots.....lb. 1.60 - —
50-lb. lots, cbys. or cns.lb 1.65 - —
25-lb. lots, cns.....lb. 1.75 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —

Potash, iodide, bots or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.36 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports .ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports..unit-ton. .60 - —
f.o.b. Carlsbad, N.M.unit-ton. .20 - .21
Import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports.. unit-ton. .56 - .58
min. 60% K_2O, same basis.. unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.

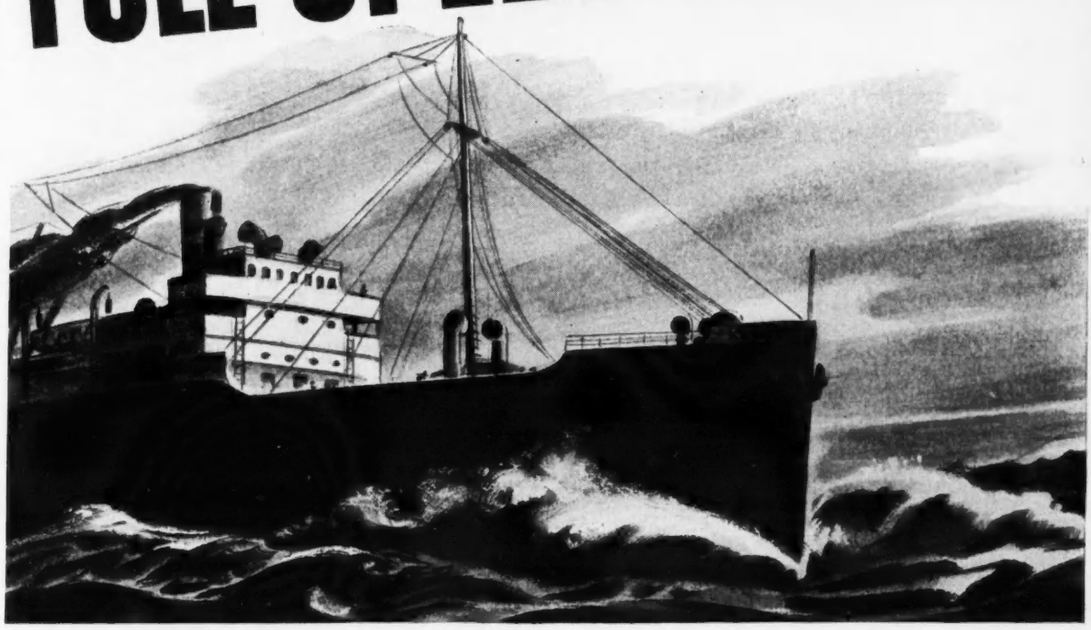
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.l.f. ports. ton. No prices
Perchlorate,[2] kgs., wks.....lb. .09¼- .11
Permanganate,[2] tech., dms., works..lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs., lb. .07 - —

Potash, sulphate, NF, powd., 550 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .14 -
Prices on granular 4c. higher.
tech., dom., bulk basis, 90%, K_2SO_4, ex vessel, ports..ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .65
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, industrial grade, tanks, Group 3..gal. .03 - —
Psyllium seed (see Fleaseed).
Pumentillia, bls.....lb. .85 - .90
Pumice, dom., grd., fine, 4F, 3F, 2F, F. O. bgs., 2,000 lbs. and up..lb. .04 - —
600-1,999 lbs.....lb. .04¼- —
100-599 lbs.....lb. .04¾- —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 2,000 lbs. and up, lb. .04¼- —
600-1,999 lbs.....lb. .04½- —
100-599 lbs.....lb. .05 - —

Petroleum Solv.—Pyroxylin

Pumice, imp., Italian.....lb. No prices
Pumice stone packed in barrels is ¼c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.30 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.35 - —
Pyrethrum flowers, coarse.. grnd. (g.f.p), 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
fine powd., 1% pyrethrins, frt. alld., bbls..lb. .22 - .23
Pyridin, denaturing, dms.....gal. 1.41 -
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 10.00 - —
325 mesh, same basis.....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —

FULL SPEED AHEAD!



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SKELLY BLDG., KANSAS CITY, MO.

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Not all were born under the Stars and Stripes. The ancestors of some mined coal in Wales, sailed the ships of England, or cultivated the vineyards of the Rhine. • Some among them first saw the light under the tricolor of France; others played as children beside the dykes of Holland. • The names of still others indicate that they or their forbears hailed from the plains of Russia or the slopes of the Appenines. • Today they are AMERICANS, single-minded in their devotion to the Land of the Free, working wholeheartedly to further the Defense Program, by their labor or their hearty support. • Such a family are the workers of Innis, Speiden & Company, each and everyone proud of this country and his privilege of working in one way or another to maintain its institutions.

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Pyroxylin—Shaeffer's Salt

Pyroxylin scrap, dense, write, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .03 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05¾- —
tanks, works.....lb. .05¼- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
pwd., bgs., c.l.....lb. .10½- —
l.c.l., bxs.....lb. .11 - —
Queen of the meadow leaves bgs..lb. .07¼- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[3,4,9] dom., flasks (76 lbs. net), dlvd., N.Y..flask.202.00 -204.00
Quince seed, bgs.....lb. 1.35 - 1.60
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cns.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .86 - —
Dihydrochloride, bots.....oz. .86 - —
Ethylcarbonate, cns.....oz. 1.25 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydriodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .07⅝- .08¼
Dutch, bgs.....lb. No stocks
Indian, medium, recleaned, bgs., lb. .07¼- .08
Japanese bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .65 - .70
Red,[2] alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .95 - —
smaller lots.....lb. 1.00 - —
pkgs., ton lots.....lb. 1.00 - —
smaller lots.....lb. 1.05 - —
light shade, bbls., ton lots..lb. .80 - —
smaller lots.....lb. .85 - —
pkgs., ton lots.....lb. .85 - —
smaller lots.....lb. .90 - —
light-medium shade, bbls., ton lots..lb. .85 - —
smaller lots.....lb. .90 - —
pkgs., ton lots.....lb. .90 - —
smaller lots.....lb. .95 - —
maroon shade, bbls., ton lots, lb. 1.05 - —
smaller lots.....lb. 1.10 - —
pkgs., ton lots.....lb. 1.10 - —
smaller lots.....lb. 1.15 - —
deep, bbls., ton lots.....lb. 1.15 - —
smaller lots.....lb. 1.20 - —
pkgs., ton lots.....lb. 1.20 - —
smaller lots.....lb 1.25 - —
medium shade, bbls., ton lots, lb. .90 - —
smaller lots.....lb. .95 - —
pkgs., ton lots.....lb. .95 - —
smaller lots.....lb. 1.00 - —
Cadmium, lithopone quotations are at the works, changes prepaid or allowed E. of Rocky Mts.
Selenide, bbls., light, works..lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.35 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25- —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .60 - —
Rose, lake, bbls.....lb. .25 - .28
Pink, bbls.....lb. .20 - .25
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Red, maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., wks...lb. .09 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
Para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
Persian Gulf, oxide, bbls., l.c.l. lb. No prices
Phloxin toner (see Red, Eosin-toner).
Phosphotungstic rhodamine, Y, lgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .35 - —
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04⅝- —
l.c.l.....lb. .04⅞- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04¼- —
l.c.l.....lb. .04⅝- —
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02⅝- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., f.o.b. N.Y..lb. .25 - .40
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N.F., powd., fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, No. 1, high, dried, cs.lb. .65 - .70
powd., bbls.....lb. .70 - .75
No. 2, cs.....lb. .55 - .60
powd., bbls.....lb. .60 - .65
Riboflavin .....gram. 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 4.90 - 5.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .17 - .18
Rosin, gum, B, bbls., ex dock....
100 lbs. 3.47 - —
B, bbls.....100 lbs. 3.50 - —
E, bbls.....100 lbs. 3.50 - —
F, bbls.....100 lbs. 3.50 - —
G, bbls.....100 lbs. 3.40 - —
H, bbls.....100 lbs. 3.42 - —
I, bbls.....100 lbs. 3.44 - —
K, bbls.....100 lbs. 3.52 - —
M, bbls.....100 lbs. 3.59 - —
N, bbls.....100 lbs. 3.62 - —
W. G., bbls.....100 lbs. 3.82 - —
W. W., bbls.....100 lbs. 3.85 - —
X, bbls.....100 lbs. 3.85 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .28 - .30
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Scullcap, Eastern, bls.....lb. .28 - .29
Western, bls.....lb. .14 - .15
Safflower, bls.....lb. .70 - .75
Saffron, Mexican, bls.....lb. .85 - .90
Spanish, tins.....lb.41.00 -42.00
Safrol, cns.....lb. 1.60 - 1.75
dms.....lb. No prices
Sage, Cyprus, bls.....lb. .77 - .80
Dalmatian, bls.....lb. 1.50 - 1.55
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. 1.25 - 1.30
Spanish, bls.....lb. .31 - .32
Sago flour, bgs.....lb. .04½- .05½
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200-lbs....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., flk. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N.Y..ton.14.20 - —
l.c.l., bgs., dlvd. N.Y....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.19.40 -23.20
Saltcake, dom., bulk, works..ton.15.00 - —
import, bulk, c.l.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons.....
100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons.....
100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo.195.00 -205.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.35 Nom.
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .44 - —

Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33⅝- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots.....lb. .34⅝- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .95 - 1.00
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - 11
Serpentaria root, bls.....lb. .65 - .70
shellac, bleached, bonedry, bbls., f.o.b. N. Y..lb. .39 - .40
dlvd., Boston.....lb. .40 - .41
Chicago.....lb. .40½ - .41½
Pacific Coast.....lb. .42½ - .43⅛
rfd., bbls., f.o.b. N. Y....lb. .45 - .46
dlvd., Boston.....lb. .45½ - .46½
Chicago, ...lb. .46⅝ - .47⅝
Pacific Coast.....lb. .48¾ - .49⅝
Garnet, bags.....lb. .35 - .36
D.C., V.S.O., or Diamond 1, cs., lb. .42 - .43
Superfine, bgs., f.o.b Boston, N. Y..lb. .33 - .34
dlvd., Chicago.....lb. .33½ - .34½
Pacific Coast.....lb. .36 - .37
T.N., bgs., f.o.b. Boston, N.Y. lb. .32 - .33
dlvd., Chicago.....lb. .32¼ - .33½
Pacific Coast.....lb. .35½ - .36½
Shellac, varnish, Metro area, orange, 5-lb. cut, bbls., gal. 1.70 - 1.75
4½-lb. cut, bbls.....gal. 1.65 - 1.70
4-lb. cut, bbls.....gal. 1.60 - 1.65
white, 5-lb. cut, bbls.....gal. 1.85 - 1.90
4½-lb. cut, bbls.....gal. 1.80 - 1.85
4-lb. cut, bbls.....gal. 1.75 - 1.80
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med., grd., 99%, 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
hard-quartz, 99¼%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .35⅛- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 100 ozs.....oz. .34 - —
Nitrate, 100-oz. bots.....oz. .26⅜- —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .40 - .45
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .60 - .65
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .09 - .10
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .15 - .16
powd., bbls.....lb. .15 - .16
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04½- .05
l.c.l., dlvd.....lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, dms., bbls., works.lb. .69 - .73
Aluminate, white soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald.....100 lbs. 7.75 - —
l.c.l., bgs., frt. equald.100 lbs. 8.40 - —
dms., frt. equald.....100 lbs. 8.65 - —
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .06 - —
l.c.l., dms.....lb. .09¼- .09⅝
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works.....lb. .07½- .08½
white, dms., c.l., dealers, works..lb. ..07¾- —
l.c.l., dms., works.....lb. .08½- .09½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —

Soda ash, light, bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian; Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 96° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —

Soda, bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works.... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, 2, 4 spot, c.l., wks., lb. .07⅝- —
l.c.l., 6 cks., or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07⅝- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbls. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
fiber dms., 100 lbs.....lb. .28 - .32
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated. soda sal).

Seidlitz Mixture—Soda Chlorate

Soda caustic, flake, 76% powd., ammon, process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
L.c.l., same zone prices as ammonia process
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bxs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .07 - .08¼

YES, quality can be measured . . . because in one large Solvay plant alone, an average of more than 8500 quality tests for each 24 hour operating period *make sure* that Solvay products meet the most exacting quality specifications!

. . . *That* is quality nailed down tight. It means that, in a Solvay plant, the checks for quality begin even before raw materials are taken from the ground. It means testing and retesting by modern chemical laboratory methods every time a change is effected in the chemical or physical character of a Solvay product as it goes through the plant . . . until final quality tests prove beyond doubt that each lot of manufactured material complies with specifications in the Solvay Book of Master Standards which govern the making of *all* Solvay products.

There is still another aspect to Solvay quality which becomes increasingly important as each day goes by. It is the fact that, despite a production rate which is now running far beyond normal, *Solvay plants are continuing to adhere to the same strict quality standards that were maintained before the present emergency arose!*

When you think of alkalies, think in terms of *Solvay* Alkalies, the oldest and largest American source of alkalies!

Soda Ash • Caustic Soda • Chlorine • Modified Sodas • Para-dichlorobenzene • Potassium Carbonate • Caustic Potash
Ammonium Bicarbonate • Ammonium Chloride • Calcium Chloride • Causticized Ash • Salt • Sodium Nitrite

60th ANNIVERSARY 1881 ★ 1941

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 Rector Street New York, N. Y.

BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse
Plants Located at: Syracuse, N. Y. • Detroit, Mich. • Baton Rouge, La. • Hopewell, Va.

Soda Chromate—Trichlorethyl

Soda, chromate,[25] spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Citrate, USP VIII, 225-lb. bbls. lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots..lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb.lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29¾- —
kgs., 100-lb. lots.....lb. .25¼- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 30%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis..lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots....lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
powd., bbls., 1,000-lb. lots.lb. 1.80 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.70 - —
solution, cbys., cns.....lb. .82 - 1.02
Hydrosulphite,[8] dms., frt. alld, lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 .24
Hypophosphite, N F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
pea, less than 500 lbs., bgs., works..100 lbs. 2.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.52 - 2.57
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.90 - —
3-14 dms., same basis... 100 lbs. 5.05 - —
1-2 dms., same basis... 100 lbs. 5.30 - —
gran., bbls., c.l., works....lb. 2.50 - —
10 bbls. and over, dlvd. N.Y..lb. 3.30 - —
1-9 bbls., dlvd. N.Y.....lb. 3.55 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment.....ton.30.05 - —
200-lb. bgs., same basis, ton.29.35
bulk, same basis.....ton.27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment....ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized. lb. .06¾- —
96-98%, dom., bbls., c.l., West Coast, f.o.b. ports....lb. .09 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.100 lbs. 3.15 - —
10 bbls. and over, dlvd. N.Y.C..100 lbs. 4.30 - —
1-9 bbls., same basis..100 lbs. 4.55 - —
Oxalate, neut., bbls.....lb. .09¼- —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., brs., c.l., works..100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.15 - 7.25
bbls., c.l., works.....100 lbs. 6.20 - 6.45
l.c.l., works.....100 lbs. 6.70 - 7.45
Phosphate, dibasic, cryst., tech., bgs., c.l., wks.100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works.....100 lbs. 2.75 - 2.90
l.c.l., works.....100 lbs. 3.15 - 3.65
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
Soda, phosphate, tribasic, bgs., c.l., works..lb. 2.70 - 2.85
l.c.l., works.....100 lbs. 3.10 - 3.60
bbls., c.l., works.....100 lbs. 2.90 - 3.05
l.c.l., works.....100 lbs. 3.30 - 3.80
kegs, c.l., works....100 lbs. 3.40 - 3.55
l.c.l., works.....100 lbs. 3.75 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried bbls., dms., works..lb. .11½- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots .....lb. .11¼- —
contracts .....lb. .10¼- —
Pyrophosphate, anhyd, bgs., c.l., works, frt., equale'd... 100 lbs. 5.10 - 6.10
5 tons and over same basis... 100 lbs. 5.35 - 6.25
less than 5 tons same basis, 100 lbs. 5.60 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - 6.30
5 tons and over same basis... 100 lbs. 5.55 - 6.45
less than 5 tons same basis... 100 lbs. 5.80 - 6.80
Ricinoleate, tech., bbls.....lb. .12 - —
Salt bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.50 - —
works .....100 lbs. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works....100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
10 bbls. or over, dlvd. N.Y.C., 100 lbs. 4.05 - —
1-9 bbls.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works.100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .12 - .15
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
Sulphate, N.V. VI, exsiccated, powd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works, 100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.65 - —
less than 5 tons, dlvd. 100 lbs. 3.90 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, C.P., kgs.....No prices
tech., kgs.....lb. 1.35 - 1.50
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., works...lb. .17¾- —
Soybean meal, 41%, bgs.....ton.42.70 - —
protein, bgs., c.l., works....lb. .20 - —
l.c.l., 10-20 tons, works....lb. .20¼- —
100-20,000 lbs., works....lb. .20½- —
smaller lots, works.....lb. .24 - —
Sparteine sulphate, cns.....oz. 3.65 - 4.00
Spearmint leaves, bls.....lb. .33 - .35
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04½- —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .18
Squill, red, powd.....lb. .80 - .90
White, bls.....lb. .18½- .19
powd., bbls., bxs.....lb. .24 - .25
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l. .....lb. .0710- —
import, bgs.....lb. No prices
rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. 06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .06 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .10¼- .10½
Stillingia, root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 2.00 Nom.
Stramonium leaves, bls.....lb. .27 - .30
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90%, precip., bbls....lb. .15 - .18
Chloride, tech., bbls.....lb. .22 - .35
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Strontium, nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Oxalate, bbls.....lb. .44 - —
Strophanthus seed, Kombe, bgs..lb. 3.75 - 4.00
Strolyl, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz cns., 100-oz lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .58 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .25 - —
l.c.l., 10 or over.....lb. .26 - —
less than 10.....lb. .27 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.50 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot..ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, USP, bgs., c.l...100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.55 - —
bbls., c.l.....100 lbs. 3.40 - —
l.c.l. .....100 lbs. 3.90 - —
flour, comm'l bgs., c.l..100 lbs. 1.65 - —
l.c.l. .....100 lbs. 2.15 - —
refined, cast, bgs., c.l....100 lbs. 2.20 - —
l.c.l. .....100 lbs. 2.70 - —
heavy, USP, bgs., c.l...100 lbs. 2.60 - —
l.c.l .....100 lbs. 3.10 - —
bbls., c.l.....100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
light, USP, bgs., c.l..100 lbs. 2.70 - —
l.c.l. .....100 lbs. 3.20 - —
bbls., c.l.....100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.55 - —
lump, bgs., c.l.....100 lbs. 2.20 - —
l.c.l. .....100 lbs. 2.70 - —
bbls., c.l.....100 lbs. 2.55 - —
l.c.l. .....100 lbs. 3.05 - —
roll, bgs., c.l.....100 lbs. 2.40 - —
l.c.l. .....100 lbs. 2.90 - —
Prices at the mine for various grades refined sulphur 25c. less per 100 pounds.
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.05 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.40 - —
Chloride, 55-gal. dms., c.l....lb. .03 - .03¼
l.c.l., dms., works....lb. .04 - .04¼
10-gal. dms., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.03
Precipitated, USP, bbls.....lb. .17 - .23
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06¼- .07
poultry, Argentine.....lb. .05 - 05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —
triple, bulk, f.o.b. cars, Balto., spot..unit-ton. .80 - —

T

Talc, dom., Calif., 1, c.l.....ton.20.00 - —
2, c.l.....ton.17.00 - —
N.Y., fibrous, 95-94%, 325 mesh, c.l..ton.14.00 -16.00
l.c.l. .....ton.16.00 -18.00
99-99½%, 325 mesh, c.l.... ton.15.25 -17.25
l.c.l. .....ton.17.25 -19.25
96-98%, 325 mesh, c.l..ton.15.00 -17.00
l.c.l. .....ton.17.00 -19.00
99.95%, 325 mesh, c.l..ton.17.00 -19.00
coarse, off-color, c.l....ton.11.00 -13.00
Aluminum, flake-type, grd. c.l..ton.21.00 - —
l.c.l. .....ton.24.50 - —
Pennsylvania, c.l.....ton.11.00 -13.50
l.c.l. .....ton.12.00 -14.50
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian, c.l., dlvd. N. Y. ton.24.00 -30.00
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packing.
Tallow, extra, loose.....lb. .08¾- —
special, loose.....lb. .08¾- —
sulphonated, 85% (94% fat), dms., c.l..lb. .05 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....lb. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.75 & .10
Tankage, feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y., unit-ton. 4.25 & .10
high-grade, bulk, Chicago, unit-ton. 4.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports..unit-ton. 4.35 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03½- .06½
Tar acid oil,[7] 15%, dms., c.l., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works.....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .29 - —
ports .....gal. .31 - —
tanks, dlvd. E. cities....gal. .22 - —
Tarragon herb, bgs.....lb. 1.50 - 1.95
Tartar emetic, tech., nne gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpinyl acetate, cns.....lb. .74 - —
dms. .....lb. .71 - —
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .86 - —
dms. .....lb. .83 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .06 - .06½
Tetrachloroethylene, CP, dms..lb. .21½- — tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrosphosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine .....lb. 2.40 - 2.65
Sodiosalicylate, dms.....No prices
Thiamine hydrochloride, bots., cns., gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thio Urea, C.P., dms.....lb. .55 - .65
Thorium, nitrate, cs, works...lb. 2.00 - —
Thyme, French, bls.....lb. .89 - .94
Spanish, bls.....lb. .19 - .21
Thymol, cns., 25 lbs.....lb. 3.00 Nom.
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see cube root).
Tin chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[4,4] Straits.....lb. .52 - —
Oxide, bbls.....lb. .55 - —
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .16½- —
non-chalking, bgs., c.l. (20 tons)..lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery.....lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17¼- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .06¼- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .06½- —
l.c.l. .....lb. .06¾- —
bbls., c.l. (20 tons).....lb. .06¾- —
l.c.l. .....lb. .06 - —
Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above.
Toluidin base, distilled, kgs.....lb. .96 - —
Tolu, balsam, cns.....lb. .95 - 1.00
Toluidin, mixed, dms.....lb. .26 - —
Toluol[8], (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration,[6] dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld. gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Trimyl borate, dms., l.c.l., works, lb. .33 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .03 - —
l.c.l., same basis.....lb. .06½- —
tanks .....lb. .07½- —
Trichlorethylene,[3] dms., c.l., wks., frt. alld., Zone 1..lb. .06 - —
l.c.l., same basis.....lb. .06½- —
Zone 2, dms., c.l., works, frt. alld..lb. .06½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill.,

Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl, phosphate,[3] CP, cns., dlvd..lb. .40½ - .51½
dms., c.l., dlvd.....lb. .37½ - —
Tech., dms., c.l.....lb. .25 - —
500 lbs., dms.....lb. .25½ - —
Triethanolamine, dms., c.l., works. lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works. lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd..lb. .45 - —
Triethyleneglycol, dms., c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate[3], dms....lb. .88 - —
Tripoli, air-floated, bgs. c.l., works..ton.26.00 - —
double grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., workst.on.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see berris root).
Tungsten metal powd.,[3,8] 99%, dms., works..lb. 2.60 - —
Oxide, CP, kgs.....lb. No price
Chem. grade, kgs.....lb. No price
Turmeric root, Alleppey, bgs..lb. .09 - .09¾
Madras, bgs.....lb. .08¾ - .09
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .78½ - —
l.c.l., 10 ex dock.....gal. .80½ - —
5 ex dock.....gal. .82½ - —
wood, dest., dist., dms., dlvd. E. ports..gal. .62 - .65
tanks, dlvd., E. cities...gal. .55 - —
steam-dist., dms., c.l., dlvd.gal. .75 - —
l.c.l., dlvd.....gal. .78 - —
tanks, dlvd.....gal. .70 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va. ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No price
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.57.40 - —
Urea-ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. 1.15 - 1.20
Eastern, bls.....lb. .75 - .80
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, to arrive, tins..lb. 9.50 -10.00
Mexican, tins.....lb.12.00 -13.00
cuts, tins.....lb.11.00 -12.00
South American, tins.....lb.12.50 Nom.
Tahiti, tins.....lb. 5.75 - 6.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.55 - —
Venice turpentine, true, cs...lb. No prices
artificial, cs.....lb. .24 - .25
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals, dms., works.....lb. .25 - —
Ether, 75 c.c.....bot. 1.30 - —
50 c.c.....bot. .73½ - —
25 c.c.....bot. .45½ - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .48
tree.....lb. .19 - .23
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460-.04475
liquid, tanks.....lb. .05 - —
bbls.....lb. .05¾ - —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½ - —
black.....lb. .14 - —
white.....lb. .26 - —
180-185, amber.....lb. .17½ - —
black.....lb. .16 - —
white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs. lb. .56 - —
cake, cs.....lb. .57 - —
discs, cs.....lb. .58 - —
Wax, yellow, crude, Africa....lb. .46 - .47
Brasil, bgs.....lb. .50 - .51
refd., slabs, cs., lbs.....lb. .51 - .52
Candelilla, bgs., 1 ton.....lb. .33 - .35
jobbing lots.....lb. .34 - .36
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .76 - .77
5 bgs.....lb. .76½ - .77½
1 bg.....lb. .77 - .78
N. C., 3, bgs., 1 ton.....lb. .77 - .78
5 bgs.....lb. .77½ - .78½
1 bg.....lb. .78 - .79
refined, ogs.....lb. .84 - .85
yellow, No. 1, bgs., ton....lb. .86 - .87
5 bgs.....lb. .86½ - .87
1 bg.....lb. .87 - .88
No. 2, bgs.....lb. .84 - .85
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .13½ - .14
jobbing lots.....lb. .14½ - .15
150°-160° m.p., bgs., 1 ton..lb. .15½ - .16
jobbing lots.....lb. .16½ - .17
160° m.p., bgs., 1 ton.....lb. .16½ - .17
jobbing lots.....lb. .17½ - .18
Japan, cs.....lb. .30 - .31
Montan, bgs.....lb. .44 - .46
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No stocks
70°-72° C., bgs.....lb. No stocks
74°-76° C., bgs.....lb. No stocks
Ozokerite, snow-white, pure, 76°-78° C., bgs..lb. No stocks
yellow, natural, 76°-78° bgs..lb. No stocks
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l., dry-grd., pap. bgs., c.l., works, ton.18.00 -22.00
l.c.l., works.....ton.20.00 -24.00
wet-grd. bip. bgs., c.l., works..ton.21.00 -25.00
l.c.l., works.....ton.22.00 -27.00
gilders, bolted, pap. bgs., c.l., works..ton.20.00 -24.00
l.c.l., works.....ton.21.00 -24.00
extra bolted, pap. bgs., c.l., works..ton.22.00 -26.00
l.c.l., works.....ton.23.00 -27.00
Paris white, pap. bgs., c.l., works..ton.24.00 -28.00
l.c.l., works.....ton.25.00 -29.00
Limestone, air-floated, 99%%, 250 mesh, pap. bgs., c.l., works..ton.10.10 - —
200 mesh, pap. bgs., c.l., works..ton. 9.50 - —
90%, 200 mesh, pap. bgs., c.l., works..ton. 7.00 - —
gilders, pap. bgs., c.l., works, ton.11.50 -13.00
l.c.l., works.....ton.12.50 -16.00
putty grade, water-floated, bgs., c.l., works..ton.12.00 -13.00
l.c.l., works.....ton.13.00 -16.00
precipitated, bgs., c.l., works, ton.14.00 -15.00
l.c.l., works.....ton.18.00 -25.00
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07½ - .09
rossed, green, bls.....lb. .13 - .15
Wild indigo root, bls.....lb. .13 - .14

Tricresyl Phos.—Xylidin

Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
Import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 4.50 - 5.00
Wormwood, bls.....lb. .48 - .50

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works..gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
3°, dms., returnable, works..gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms. ... lb .35 - .36

—Continued on page 44

Varnish Industry Goes Native

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Oil, Paint and Drug Reporter

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Pharmacal Endowments

Definite action is expected to be taken by the National Drug Trade Conference at its meeting this week with respect to a plan for the inauguration of more extensive—more nearly adequate, in fact—endowment of pharmacal teaching institutions for general functioning or for specific work in fellowships or the like. This matter, from a slightly different angle but with the same eventual purpose, has been reduced to a working formula also by the National Committee on Pharmacy Scholarships. It is sincerely to be hoped that the activities of these two agencies will be properly coordinated: the pharmacal profession has suffered much as a result of multiplicity of organization in the drug trade.

Such coordination is expectable for the reason that the National Drug Trade Conference is wholly a planning organization. Its plans will need an operating organization, and it will be helpful if the committee now being set up is accepted for that job. Because some of the characteristic schism of the profession of pharmacy, its educational division, and the drug trade at large exists in the background of the two endeavors, there is a job for diplomatic handling.

There is a patent and an important need for better pharmacal educational service. The difficulty is to arrive at a definite appraisal of what would make this service better. It is true that there are not enough trained persons to provide in all drug stores pharmacal service commensurate with the modern practice of medicine and adequate to the best public interest. But, again there is a difference of opinion on whether this is a lack of pharmacally trained persons or an excess of places where such persons should be. There are also many places for more and better trained pharmacists in the manufacturing division of the drug industry. There are some who think that pharmaceutical compounding is already too much centralized.

Objectively regarded, there is a need for more money for pharmacal education. It is to be hoped that there soon will be contrived a means of getting this and a means of making proper use of it.

Liberty or License

December 15 will mark the sesquicentennial of the effective date of the first ten amendments to the Constitution for the United States of America. In recognition of this fact President Roosevelt has proclaimed next Monday as "Bill of Rights Day" (the first ten constitutional amendments are popularly known as the Bill of Rights of the people of the United States—and of its corporations, too). In a proclamation which variously makes use of the related terms, "rights" and "privileges," "liberty" and "freedom," the President thus states the purpose of "Bill of Rights Day":—

> The fifteenth day of December, 1941, is therefore set apart as a day of mobilization for freedom and for human rights, a day of remembrance of the democratic and peaceful action by which these rights were gained, a day of reassessment of their present meaning and their living worth.

The last clause of that sentence is deserving of most careful observation. The first step, on the part of governed and governing alike, should be a careful reading of the Bill of Rights: it does not mean anything like what is read into it for many purposes; but it does mean very much more than it is permitted to mean by some of those in whose hands its application lies—and also the termination of its misapplication by others, especially at the present time in respect of a person's right to work.

In the reassessment of the Bill of Rights, due regard must be had for the words of Milton:—

> License they mean when they cry, Liberty!
> For who loves that must first be wise and good.

—and for the similar philosophy of an unidentified poet recently quoted by a British confrere:—

> But what is Freedom? Rightly understood,
> A universal license to be good.

And for the guidance of those who make the laws of the nation, and of those who interpret these laws and those who administer them nothing could be more informative than a careful reading and rereading of the ninth and tenth articles of the Bill of Rights by such public servants and by all those whom they serve.

A reassessment of the meaning and worth of the Bill of Rights is timely. But, its "present meaning" is not to be essayed by way of any philosophy which is obviously of an opposite purpose.

—O-P-D—

Impotent Price-Control

The Banking and Currency Committee of the United States Senate will, December 9, begin hearings on what the House of Representatives, November 28, passed in the guise of a price-control bill. The peculiarities of parliamentary processes which place such a fundamentally economic measure in a committee on banking and currency may be explained under that popular economic philosophy which lays money as the foundation of all. It is much more difficult to understand why any committee directed to the effectuation of price-control legislation should waste its time with a bill that is pointed in an almost opposite direction.

The house "price-control" bill is deficient—if not wholly lacking—in potentiality and worse than that in administration. This cannot all be blamed on the executive branch of the government; for, although lack of appreciation of the inevitableness of certain inflationary influences, such as farm prices and wages, prevails in that direction, the house "defeated the Administration," not to make provision for such influences, but to deprive it of much of the regulatory power which it sought and to follow to an extreme that is almost absurd the doctrine of complicated and slow, hamstringing review of all administrative actions.

Something is wrong with "democratic principles" when it comes to applying them functionally to the needs of emergencies or exigencies. All these fade before expediencies, which, of course, are "democratic" only in the "practical" sense of the term. Comparisons are odious—and oftentimes odorous—but it must be admitted that there is far more real democracy in the Canadian price-control law than apparently can be expected in any similarly purposed legislation to be expected of the Congress of the United States of America. Oligarchies are the parents of expediencies and of exceptions. There may have been something more significant than mere rewording in the fact that Lincoln omitted the word, "all," from what Theodore Parker in 1850 called, "a government of all the people, by all the people, for all the people."

A flooding river cannot be kept within innocuous bounds by dropping a bag of sand here and there along its banks. The restraining wall must be continuous, and it must start as far upstream as the overflowing exists. And the most effective system is that which lays checks on all tributaries. Price-inflation cannot be prevented by selective control, especially by that sort which selects items of lesser importance. Price-control must be applied to all possibilities of inflation and to all that is contributory thereto. Every businessman knows that he cannot reduce his prices by cutting salesmen's compensation and at the same time paying more than as much in higher rent. If even as many as one-tenth of the businessmen of the nation will lay that simple fact before Congress, maybe an honest attempt to control prices will be made. Certainly that proportion of businessmen believe that such an attempt should be made.

—O-P-D—

An Insect Invader

Along with other matters of recent insecticidal interest is the report of scouts that there is a probability that the gypsy moth will in the coming season break through the barrier zone which has been maintained east of the Hudson river from Long Island sound to the Canadian border for almost twenty years. The wisdom of blocking this predatory insect is plain to anyone who is at all familiar with the havoc it has wrought in Massachusetts and to a lesser extent in other parts of New England since it became abundant something more than fifty years ago.

Now is the time to set about destroying the egg clusters of the gypsy moth. The approved destructive agent is a mixture of coaltar creosote and coaltar pitch. The timely thing for insecticide providers to do is to get busy selling these agents.

The caterpillar of the gypsy moth emerges usually in May. It is a fast and furious defoliator of various trees. The best poison for it is lead arsenate in a spray containing fish oil. It is not too soon to begin planning to sell that also.

RECEIVED DEC 9 1941 LIBRARY THE CHEMISTS' CLUB

VITAMINS AND DEFENSE

IN all wars since history began disease has been the cause of more casualties, both military and civilian, than the weapons of the enemy. During the last World War it began to be recognized that some of these diseases, such as scurvy, were caused by a definite deficiency of some essential ingredient in the diet while others probably spread because of lowered resistance of the population due to this and other dietary lacks. Because of their relationship to life, these essentials were termed vitamins. Since practically nothing was known about them at the time, little could be done toward correcting these deficiencies.

Since then science has made tremendous strides in the chemistry of vitamins. The structure of most of those isolated has been determined and methods for synthesizing many of them developed.

The nations of the world have not been slow to recognize the importance of the vitamins. In her rearmament program Germany included factories for their production along with those for manufacturing guns, explosives and other munitions of war. One important ingredient in the emergency ration of the German parachute troops has been tablets of synthetic Ascorbic Acid (vitamin C). Our own Government has also recognized the importance of this vitamin and has included a product containing synthetic Ascorbic Acid in the ration of those now training for defense of our nation both on land and sea.

The United States and the British Empire have also included the maintenance of civilian health and morale in their defense plans. Enriched flours and breads, to which a number of the vitamins together with certain minerals have been added, have received official sanction. This development has been hampered by an insufficient supply of one of the vitamin ingredients—Riboflavin (vitamin B_2).

Chas. Pfizer & Co., Inc. have been glad to assist in the Defense Program. We have been one of the largest producers of Ascorbic Acid (vitamin C) for several years. There has been a continual increase in our production of this synthetic vitamin and plans are now in the process of consummation which will still further enlarge our productive facilities.

After a research program of several years, the production of Riboflavin (vitamin B_2) was started by our Company in 1940. At the present time we are bending every effort toward a great increase in the size of our productive facilities in order to assist in supplying the large quantities of this essential vitamin which are needed.

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Coaltar Chemicals

One Producer Advances Para and Orthodichlorobenzene Prices —Release of Next Year's Contract Schedules Still Awaited —Further Gains in TNT Output Broadening Toluol Needs

A heavy movement to defense channels continued to characterize the market for coaltar chemicals last week. Shipments in several of the basic items were either made against priorities or allocation. The shortage of basic materials was reflected in the supplies of coaltar acids, intermediates and colors. Contract releases for next year were still awaited. One producer announced advances in paradichlorobenzene and orthodichlorobenzene schedules.

Coaltar acids felt the pinch of heavy demands and limited raw materials. Supplies of anthranilic, maleic, picric, salicylic, sulphanilic and tobias were tight. Much the same situation prevailed in the intermediate division; scarcities were prevalent in anilin, anthroquinone, beta-naphthol, dimethylanilin, dinitrophenol, monochlorobenzene, ortho-chlorophenol, orthocresol, phthalic anhydride and xylidin.

Toluol will be needed in greater quantities as the production of TNT gains momentum. It is reported by the War Department that output in the two government-owned plants now in operation has increased 111 percent in the first twenty days of November. Further increases of the volume of TNT manufactured may be expected when these two plants begin operating at their full capacity and when other plants now under construction are completed.

Price Changes

Advanced

Paradichlorobenzene, 1c. per lb.
Orthodichlorobenzene, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.5	128.5	128.5	126.6

Market news that may have developed after this report was sent to press will be found on page 4.

Coaltar Bases

Benzol.—Demand heavy and market in very firm position.

Carbazole.—Shipments moved steadily and prices were firm.

Coaltar.—Market held firm. Transactions well sustained.

Creosote Oil.—Withdrawals steady from principal consuming channels. No change developed in the prices and tone was firm.

Cresols.—Material under complete allocation. Prices underwent no change.

Cresylic Acid.—Domestic and imported acids remain scarce. Various grades of domestic under complete allocation. Nothing new developed in the prices.

Naphthalene.—Supplies of crude moved directly to defense and civilian channels. Prices held at previously established levels.

Oil, Shingle Stain.—Market a routine affair. Prices without change.

Phenol.—Distribution now subject to complete allocation. Prices lacked any change, with tone very firm.

Pitch, Coaltar.—Demand sufficient to take care of available offerings. Prices rule firm.

Pyridin.—A good demand prevailed and prices displayed firmness.

Tar Acid Oils.—Complete allocations governed shipments. Prices were without change.

Toluol.—Defense needs absorb output. Prices continued at same levels.

Xylol.—Business well booked ahead against contracts. Prices held firm.

Chicago.—The coaltar bases are quiet, but are exhibiting no difficulty in holding their own. Buying is along fairly good lines, with totals moving making good comparison with recent periods. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c. per gallon; toluol, 27c. per gallon; 10-degree xylol, 26c. per gallon; solvent naphtha, 26c. per gallon; creosote oil, grade 1, 13½c. to 14c. per gallon.

Benzyl Chloride

Broader use of benzyl chloride in new products greatly expanded production during 1940. Output rose from 635,314 pounds in the 1939 year to 2,377,768 pounds in 1940, according to the latest Tariff Commission figures. It has found greater use in new plasticizers for the plastic industry, while its employment has increased for materials used in extreme pressure lubricant ingredients. Future output will be largely dependent on the amount of chlorine available, and the obtaining of plant equipment.

Aside from the new uses, benzyl chloride is the starting point in making various benzyl compounds and in the processing of dyestuffs. It could be used as a substitute for mustard gas in chemical warfare shell experiments on account of the similarity of physical properties.

Prices are a great deal lower than the last war, the material was not quoted prior to 1918 as the production here was negligible. The first quotation obtainable in December, 1918, was $1.75 per pound. The market has advanced moderately since the start of the present war. In 1939 quotations ranged from 19c. to 21c. per pound and are currently quoted at 22c. to 24c. per pound.

Coaltar Acids

Anthranilic.—Supplies limited, inquiries steady. Prices without change.

Benzoic.—Market in firm position. Shipments steady to regular channels.

Broenner's.—Business moderate. Prices held at previous levels.

Cleve's.—Usual consumers made steady replacements to keep market firm.

Fumaric.—A good demand characterized the market. Prices rule firm.

Gamma.—Withdrawals moderate. No change disclosed in the quotations.

H.—Dealings remain routine. Prices without change.

Laurent's.—Prices were firm, and buying steady from usual sources.

Maleic.—Active inquiry, market tight and prices remain firm.

Malic.—Transactions moderately active. Pricewise a firm tone prevailed.

Picramic.—Interest fairly steady. Prices held at same basis.

Picric.—Defense needs major factor. Quotations unchanged.

Salicylic.—Situation remains tight, offerings limited. Prices firm.

Sulphanilic.—Offerings limited. Prices remain firm.

Tobias.—Demand sufficient to absorb available offerings. Prices unchanged.

Other Intermediates

Alphanaphthol.—Business limited to regular consumers as a rule. Prices rule firm.

—*Continued on page* 31

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

N.A.I.D.M. Discusses Priorities and Research

—Continued from page 7

and others, also seems adequate, but if a shortage should occur we will still be able to make glass containers, although not necessarily in the natural color, which is light green. We see no possibility of being unable to make amber glass as long as the other materials are available, since the necessity for coloring agent, will, without doubt, be available.

Mr. Bertrand told the meeting that Under Secretary of Commerce Wayne Taylor has invited representatives of the glass container industry to cooperate with the department and the Office of Production Management in a program of simplification and standardization of sizes, shapes and capacities of glass containers.

Tin Can Outlook

T. E. Allwyn, of the American Can Company, New York, who spoke in place of L. A. Trevisan, said that the outlook for 1942 has all indications of the regular customers receiving their allotted requirements, but urged that packers give some thought to conservation measures and standardization in packaging.

Paper Cartons

Fred Wohlers, of Hinde & Dauch Paper Company, urged the membership to study methods for saving paper, stating that some manufacturers could assist the paper industry by eliminating small shipments to one customer and bulking them into a single carton. He cautioned the association, however, to make such changes only where they would be in conformity with Interstate Commerce Commission regulations.

Priorities Committee

J. L. Brenn, of the Huntington Laboratories, Huntington, Ind., in reporting for the priorities committee of the association, urged that members keep their inventories at normal levels, stating that anticipating of needs by building large stocks was the basis for shortages. He said that the committee would report from time to time on its progress.

Defense Rating Planned

A special order giving the industry a defense priority rating is now under consideration, Dr. D. P. Morgan, assistant supervisor of the Chemicals Section of the Office of Production Management told the meeting. Dr. Morgan said the type of order would not be of the blanket variety but would require specific applications for the type of materials used in the individual product. The priority, he added, would likely be limited to a specific period, such as monthly.

Allocation Planned

H. C. Fuller, association's Washington consultant, in talking on "Problems in Washington with Particular Reference to the Defense Program," said:—

Under the reorganization of the supply control, involving a change from priorities to allocations, I must emphasize that our association is almost compelled to become possessed of full information concerning its requirements in this matter of raw materials, and be in a position to press its claims comprehensively when asking for allotments. Rumor of an order based on a government survey of basic materials used by our membership, which would assign them to agricultural purposes, must be taken seriously. What are the limitations of the term "agricultural" and would such a ruling leave anything for articles designed more particularly for household consumption?

Pyrethrum Plentiful

There appears to be a definite shortage of soda fluoride. Regarding pyrethrum, I am told that ample supplies should be available because more flowers were cropped in Kenya last season than could be taken over by the trade. Much shipping from the United States to Europe goes through the Red Sea and on return the boats might pick up loads of pyrethrum, though all this may depend on the effect of the repeal of the neutrality act.

Legislation

C. I. Fardwell, of McCormick & Co., Baltimore, chairman of the legislation committee, reported:—

During 1941 there were forty-four State legislatures in session. Bills highly objectionable to the industry were introduced in Ohio, Indiana, Oklahoma, Pennsylvania and Wisconsin.

The bills in Ohio and Indiana were killed, but the Wisconsin bill, Assembly 52A, which called for a drastic revision of the Wisconsin insecticide and fungicide law, has not been finally disposed of, although it is understood that it will not come up again for consideration during the present session. The bill, in Oklahoma (House 269), was vetoed by the governor.

In Pennsylvania (House 218) was an insecticide regulation to amend the present insecticide and fungicide law. As introduced it would prohibit the sale of any insecticide or fungicide so colored that it might be confused with, or closely resemble, flour, baking soda, etc. There was also bill (House 845), which required that insecticides be colored green. The latter bill was killed, and 218 bill was amended in the senate to read:—That it shall be unlawful to manufacture, seek, offer to sell, or possess for sale within the Commonwealth any white powdered insecticide or fungicide highly toxic to man unless insecticide or fungicide is distinctly colored. The bill passed the senate with that wording.

Model Law

Ira P. MacNair, of the MacNair-Dorland Company, in his report as secretary of the association, touched briefly on legislation, stating that the association still has under consideration a model State insecticide law which will be used solely as a suggested substitue for bad laws, if and when such are introduced in State legislatures. In discussing the Official Test Insecticide, Mr. MacNair said that the 1941 O.T.I. will remain official until June 1, 1942.

Canadian Act

A. M. W. Carter, of the Department of Agriculture, Ottawa, in discussing the Canadian pest control act said that the act does not apply to mate-

—Continued on page 32

Coaltar Chemicals

Other Intermediates

—Continued from page 30

Anilin.—Supplies scarce. No change developed in the prices.

Anthraquinone.—Dyestuff manufacturers exert good interest, situation tight. Prices were the same.

Benzaldehyde.—Movement of technical active. Prices held firm.

Benzin Base.—Shipments steady. No new price developments occurred.

Betanaphthol. — Supplies tight, and prices were firm.

Diethylanilin.—Firmness characterized the market. Active inquiry.

Dimethylanilin.—Material in short supply. No change disclosed in the prices.

Dinitrobenzene.—Better than normal interest evident. Prices firm.

Dinitronaphthalene. — Price tone firm. Active demand.

Dinitrophenol.—Defense and civilian needs limit supplies. Prices firm.

Dinitrotoluene. — Limited offerings. Prices were unchanged and firm.

Diphenyl.—Buying brisk. No change occurred in the prices.

G. Salt. — Transactions routine. Prices held at same levels.

Metanitroparatoluidin. — Sellers pressed to take care of all inquiries. Prices without change.

Monochlorobenzene.—Defense needs continued factor in depleting supplies. Prices were unaltered.

Nitrobenzene. — Shipments moved against contracts at an active pace.

Orthoanisidin. — Steady demand. Prices held firm.

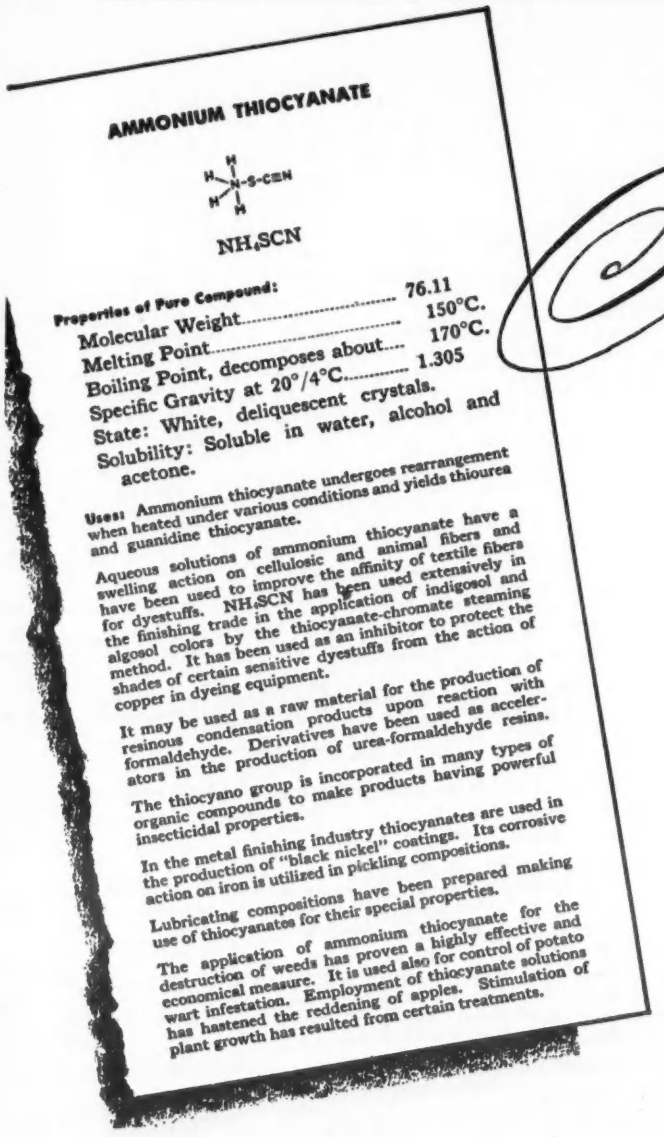
Orthochloroanilin. — Market tight. Inquiries steady and prices firm.

Orthochlorophenol. — Business usually allocated among regular trade. Prices firm.

Orthocresol.—Material on complete allocation basis. Prices unchanged.

Orthodichlorobenzene. — One producer advanced prices ½c., making car lots 7½c. and less car lots 8½c. per pound.

Orthonitroanilin.—Supplies restrict-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Boiling Point, decomposes about .... 170°C.
Specific Gravity at 20°/4°C. 1.305
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Aqueous solutions of ammonium thiocyanate have a swelling action on cellulosic and animal fibers and have been used to improve the affinity of textile fibers for dyestuffs. NH₄SCN has been used extensively in the finishing trade in the application of indigosol and algosol colors by the thiocyanate-chromate steaming method. It has been used as an inhibitor to protect the shades of certain sensitive dyestuffs from the action of copper in dyeing equipment.

It may be used as a raw material for the production of resinous condensation products upon reaction with formaldehyde. Derivatives have been used as accelerators in the production of urea-formaldehyde resins.

The thiocyano group is incorporated in many types of organic compounds to make products having powerful insecticidal properties.

In the metal finishing industry thiocyanates are used in the production of "black nickel" coatings. Its corrosive action on iron is utilized in pickling compositions.

Lubricating compositions have been prepared making use of thiocyanates for their special properties.

The application of ammonium thiocyanate for the destruction of weeds has proven a highly effective and economical measure. It is used also for control of potato wart infestation. Employment of thiocyanate solutions has hastened the reddening of apples. Stimulation of plant growth has resulted from certain treatments.

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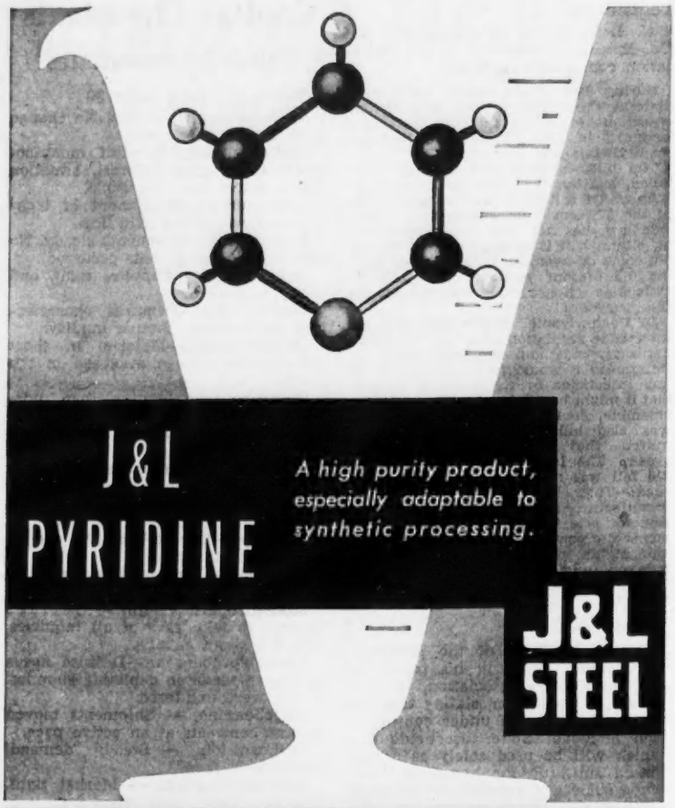

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ed, reflecting raw material situation. Prices were the same.

Orthonitrotoluene. — Inquiries exceed supplies. Prices without change.

Orthotoluidin.—Tightness characterized the market. No change in the prices.

Paradichlorobenzene. — One producer raised prices to basis of 13c. per pound in car lots and 15c. per pound in less car lots.

Paranitrotoluene.—Inquiries remain heavy, while prices lacked change.

Phthalic Anhydride. — Situation continued unchanged, with supplies short and demand heavy. Prices unaltered.

R. Salt.—Dealings routine. Prices held at previously established levels.

Thiocarbanilide.—Market tight, inquiries heavy. Prices rule firm.

Xylidin.—Supplies limited. Prices unchanged and tone firm.

Coaltar Colors

An active buying movement continued in the market for various coaltar colors last week. Defense and civilian requirements kept sellers under pressure to meet all inquiries. Output of many colors was necessarily limited by the difficulty in obtaining adequate replacements of raw materials. A good number of inquiries entered the market for exports, principally to South America. Prices underwent no change, and general tone was firm.

The 1942 Spring silk card released by the Textile Color Card Association will include such new colors as tropical greens of yellowish cast, cantaloupe and rosy copper shades, soft potterygold and greenish blues in the aqua and torquoise gamme. Extension of the violine theme to include purple, mauve, cyclamen and magenta tones were also announced. Natural saddle brown beige and a subtle light brown will be emphasized among the more neutral street tones.

Resale Market

With the shortage in domestic supplies, offerings continued small in the resale market. The placing of some materials under complete allocations such as phenols, cresols and tar acid oils made the situation tighter. Benzol ranged from 21c. to 22.c per gallon, excluding drums; toluol, 61c. to 65c. per gallon; xylol, nominal, 30c. to 35c. per gallon; imported cresylic acid, $1.65 per gallon and phthalic anhydride 60c. to 62c. per pound.

N.A.I.D.M. Discusses Priorities and Research

—Continued from page 31

rials intended for manufacturing purposes or to unsolicited prescriptions. He added that in practice it has not been applied to medical disinfectants or to disinfectants intended for personal use.

Educational Program

William J. Zick, of Stanco, Inc., of New York, in his address as president of the association, urged that necessary steps be taken by the association and its members to disseminate scientific data regarding their products and the need for them to protect national health. Mr. Zick pointed out that the reason for the inability of the members to get raw material supplies was the lack of the realization of the importance of the members' products to the general health.

Roach Sprays

A method of testing direct sprays of contact insecticides against German cockroaches was described by Dr. Lon A. Hawkins, in charge of the division of control investigations for the Bureau of Entomology and Plant Quarantine of the Department of Agriculture. The paper, "A Preliminary Report of a New Laboratory Method for Testing Roach Sprays," was written by E. R. McGovern and J. R. Fales, who were unable to be present. A summary of the paper follows:—

The deposit of spray is controlled by an opening in a partition that swings back and forth, like a pendulum, through the spray stream. Adult females were found to be more resistant to pyrethrum-petroleum oil sprays than were large adult males or large nymphs. The nymphs were intermediate in resistance between the adult males and females. The deposit of the 1941 O.T.I. required to kill 68 or 88 percent of the adult females was found to be about nine times as great as the maximum deposit that might occur on the floor of the chamber during the standard Peet-Grady tests. A spray containing 500 mg. of pyrethrins per 100ml killed 72 percent of the adult females with a deposit of approximately three times the calculated deposit in the standard Peet-Grady test.

Dr. Roarke, of the Bureau of Entomology, demonstrated a new device for distributing insecticides.

Scientific Committee

Dr. Emil Klarmann, chief chemist for Lehn & Fink Products Corporation, Bloomfield, in reporting for the scientific committee, discussed scientific advances in 1941 in disinfectants and antiseptics. He covered phenolic materials, pine oil disinfectant, organo-mercurials, sulfa - compounds, chlorine products, wetting agents, anti-bacterial substances obtained from living organisms, miscellaneous anti-bacterial agents, organic and inorganic.

N.A.I.D.M. Fellowship

Dr. G. J. Hucker, chief in bacteriology at the New York State Experimental Station, Geneva, N. Y., discussed "The Presence of Certain Pathogenic Microorganisms on the Walls and Floors of Public Buildings," and W. G. Walter, of New York Experimental Station, reported on "The Effectiveness of Disinfectants in the Removal of Pathogenic Microorganisms From Wooden Surfaces." These papers represented reports on the association's fellowship, which work, because of its satisfactory progress, will be carried through the first quarter of next year.

Economic Poisons

Dr. Alvin J. Cox, chief of the Bureau of Chemistry, Department of Agriculture, Sacramento, Calif., presented a motion picture in color of "The Story of Economic Poisons."

Mail Vote on Meeting Site

Following suggestions from the floor that the mid-year meeting be held at a resort locality, after bids were received for Cleveland, Ohio, and Hershey, Pa., the convention voted to ballot by mail on the question of the exact location.

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Althea Root

(Althaea, Althea, Althee, Altheewurzel, Altea, Eibisch, Eibischwurzel, Guimauve, Malvavischio, Marshmallow Root, Mortification Root, Racine de Guimauve, Radix Althaeae, Radix Bismalvae, Radix Hibisci, Raiz de Malvavisco, White Mallow, Wymote)

(The root of Althaea officinalis, Linne, deprived of the brown, corky layer and small roots, and carefully dried)

Pharmaceutical

In compounding and dispensing practice
Reported useful as—
Demulcent Emollient
Poulticing medium
Reported useful as binder in making—
Electuaries Pills
Reported useful in treating—
Coughs and colds
Inflammation and irritations of the mucuous membranes

Cellulose Acetate-Phthalate

Miscellaneous

Film-forming material suggested for use in—
Water-insoluble surface coatings or sizings which are later to be removed by treatment with dilute alkaline solution
Special purpose coatings

Diphenylolethane

Chemical

Reactant in—
Organic syntheses

Resins

Starting point (Brit. 434850) in making—
Synthetic resins with the aid of—
2:6-Dimethylolparacresol, a vegetable oil, or resin acids

Ethylfuroyl Acetate

Photographic

Starting point (Brit. 517197) in making—
Yellow color-forming agents with the aid of—
1-Amino-2-ethylbenzothiazole

Ethyl Formate

(Aethylformiat, Ameisenather, Ameisenæther, Ameisensaureather, Ameisensaureathylester, Ameisensaureathyloxyd, Ameisensaeuresæther, Ameisensaeuresæthylester, Ameisensaeuresæthyloxyd, Ameisenvinester, Areginal, Etere Formico, Ether Ethylformique, Ethyl Formic Ester, Ethyl Formic Ether, Ether Formique, Formiato de Etil, Formiato di Etile, Formiato Etilico, Formic Ether, Rumather, Rumæther, Zuckerather, Zuckeræther)

(Addititional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Adhesives

Solvent in—
Adhesive compositions containing cellulose esters or ethers

Beverage

Reactant in making—
Synthetic flavors

Cellulose Products

Solvent for—
Cellulose esters and ethers

Ceramic

Solvent in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Reactant in—
Organic syntheses
Preparation of aldehydes
Solvent for—
Cellulose esters or ethers
Starting point in making—
Formates

Distilled Liquors

Reactant in making—
Essence of cognac
Essence of rum

Electrical

Solvent in—
Insulating compositions, containing cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Food

Fumigant for—
Packages and products
Reactant in making—
Synthetic flavors

Glass

Solvent in—
Compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Insecticide

Fumigant for—
Packages and products
Fumigant which evaporates completely, leaving no residual odor

Leather

Solvent in—
Compositions, containing cellulose esters or ethers, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods

Metal Fabricating

Solvent in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating metallic articles

Miscellaneous

Solvent in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Solvent in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers

Paper

Solvent in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Pharmaceutical

Intermediate in synthesis of—
Vitamin B_1
In compounding and dispensing practice
Reputed to be useful as—
Hypnotic
Reputed to be useful in treating—
Infectious diseases of the respiratory organs

Photographic

Solvent in making—
Films from cellulose esters or ethers

Plastics

Solvent in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose esters or ethers

Resins

Reactant in making—
Synthetic resins
Solvent in making—
Resins from or containing cellulose esters or ethers

Rubber

Solvent in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Solvent in—
Compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Solvent in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Solvent in—
Compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork

---

Oleyl Alcohol Linoleic-Acid Ester

Lubricant

Starting point (Brit. 484964) in making—
Polymerized viscous products suitable for lubricants or for adding to lubricants

---

Soybean Protein-Formaldehyde Dispersions

(Dispersions of soybean protein in concentrations up to 10 percent in formaldehyde solutions)

Paper

Surface-sizing agent for—
Glassine paper

Plastics

Reported promising as—
Impregnating agent in making—
Laminated plastics

Leather

Reported promising as—
Dressing and surfacing agent (claimed to give tough and elastic surface films)

1:2:3-Triazole of Phenylenediamine

Dye

Starting point (Brit. 506761) in making—
Brown vat dyes with the aid of—
1:2-Naphthoquinones which are unsubstituted in the quinonoid nucleus
1:2-Naphthoquinones having in 4-position a sulphonic acid radicle and being unsubstituted in 3-position
1:4-Napthoquinones which are unsubstituted in the quinonoid nucleus

---

Tri-isopropanolamine Stearate

Chemical

Suggested as dispersing agent in making—
Emulsions of various chemicals
Textile lubricants in emulsified form

Cosmetic

Suggested as dispersing agent in making—
Emulsified cosmetics

Fats, Oils, and Waxes

Claimed to be—
Slightly superior as an emulsifying agent to the corresponding triethanolamine salt
Claimed as powerful emulsifier for—
Fats Waxes
Oils
Suggested as dispersing agent in making—
Emulsified boring oils
Emulsified drilling oils
Emulsified fat-splitting preparations
Emulsified fatty acids of animal or vegetable origin
Emulsified greasing compositions
Emulsified greasing and lubricating composition containing various vegetable and animal fats and oils
Emulsified preparations of natural or synthetic waxes
Emulsified sulphonated oils
Emulsified wire-drawing oils
Emulsions of animal and vegetable fats and oils

Leather

Suggested as dispersing agent in making—
Emulsified compositions for softening hides
Emulsified dressing compositions
Emulsified fat liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions
Emulsified waterproofing compositions

Miscellaneous

Suggested as dispersing agent in making—
Automobile polishes in emulsified form
Emulsified furniture polishes
Emulsified greasing compositions
Waterproofing compositions in emulsified form

Paint, Varnish, and Lacquer

Suggested as dispersing agent in making—
Waterproofing compositions in emulsified form

Paper

Suggested as dispersing agent in making—
Emulsified compositions for sizing paper and pulp articles
Emulsified compositions for waterproofing paper and pulp compositions and paperboard
Waxing compositions in emulsified form

Petroleum

Suggested as dispersing agent in making—
Emulsified mineral oils
Kerosene emulsions
Naphtha emulsions
Soluble greases in emulsified form
Solubilized emulsified oils and distillates
Various textile oils in emulsified form, such as rayon oils

Soap

Suggested as dispersing agent in making—
Emulsified detergents, containing soaps, used for various purposes
Emulsified hand-cleansing compositions containing soap
Emulsified textile soaps

Textile

Finishing

Suggested as dispersing agent in making—
Emulsified coating compositions
Emulsified sizing compositions
Emulsified washing compositions
Emulsified waterproofing compositions
Emulsified waxing compositions

Manufacturing

Suggested as dispersing agent in making—
Emulsified baths for degumming and boiling-off silks
Emulsified baths for soaking silks
Emulsified compositions used for degreasing raw wool
Oiling emulsions for various textile purposes

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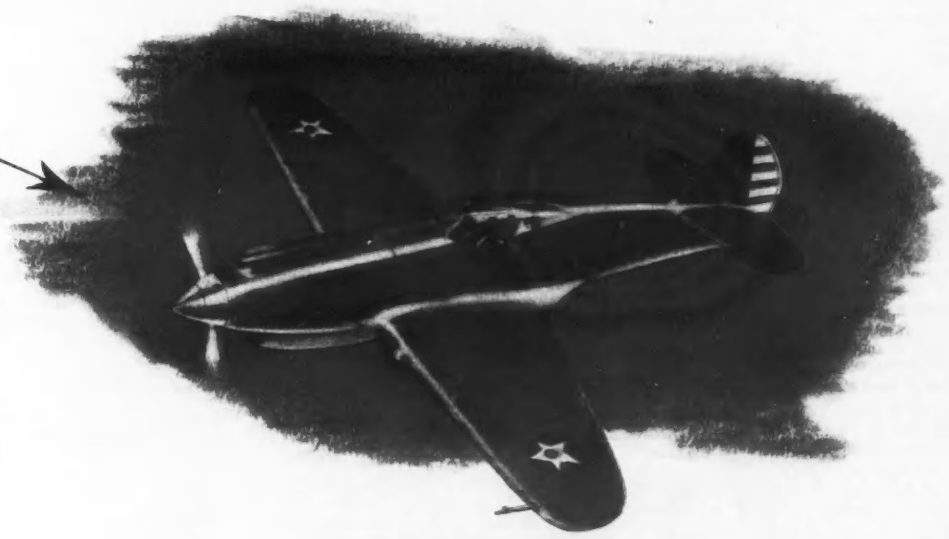

CORP.

NEW YORK

Du Pont & Co. Funds Research Fellowships

E. I. du Pont de Nemours & Co., Wilmington, has awarded six postdoctorate fellowships for research in chemistry and twenty-two postgraduate fellowships for research in the field of chemistry for the academic year 1942-43.

A postgraduate fellowship in chemical engineering, as well as one in chemistry, will be awarded this year at Massachusetts Institute of Technology. University of North Carolina joins the list of those granted postgraduate awards. Twenty-one institutions in all will benefit. Postdoctorate fellowships are for $2,000 each, and postgraduate fellowships are for $750 each.

The postdoctorate fellowships will be placed under the direction of R. T. Arnold, instructor, University of Minnesota; Paul Bartlett, assistant professor, Harvard University; Ralph Connor, assistant professor, University of Pennsylvania; R. C. Elderfield, assistant professor, Columbia University; C. B. Purves, assistant professor, Massachusetts Institute of Technology; and H. R. Snyder, instructor, University of Illinois.

Appointments to the postgraduate fellowships will be made later in the academic year by the heads of the chemistry departments of the respective universities. The universities to which postgraduate awards have been granted are California, Chicago, Columbia, Cornell, Harvard, Illinois, Johns Hopkins, Michigan, Minnesota, North Carolina, Northwestern, Ohio State, Pennsylvania, Princeton, Purdue, Stanford, Virginia, Wisconsin, Yale, and Massachusetts Institute of Technology and Pennsylvania State College.

Fellowships for advanced work in chemistry were established by the du Pont company in 1918, when there was a dearth of men adequately trained for chemical research. Through the fellowship plan the company sought to prepare promising young men for a career in this phase of science. These grants, which with one interruption have been maintained since 1918, differ from the average industrial fellowship in that the selection of the beneficiary and the subject of research is left to the discretion of the university. There is no actual or implied obligation as to future employment of the fellowship holder.

The postdoctorate candidates who are selected to carry out the work under the direction of these men will have the opportunity, through direct contact, of broadening their knowledge and enhancing their research abilities and value to science in general.

Wooden Barrels Studied As Petroleum Containers

For the express purpose of substituting 5,000,000 wooden barrels for steel drums in the petroleum industry, the acting Petroleum Coordinator, Robert S. Allen, has instructed the chairmen of the five district committees to make a study of the situation. The survey will include asphalt and heavy greases. Each district chairman is asked how many wooden barrels can be used in his territory.

An annual use of 5,000,000 wooden containers, Mr. Allen said, is based on data furnished by OPM which indicate the current additional capacity of the cooperage industry. The estimate is related closely to the normal use of steel drums in the petroleum industry.

API General Committees Headed by Pew and Hill

The American Petroleum Institute's division of production and of refining has named Howard Pew, of the Sun Oil Company, Philadelphia, and George A. Hill, jr., of the Houston Oil Company, Houston, Tex., ex-officio chairmen of the general committees for 1942. Mr. Pew is vice-president in charge of refining and Mr. Hill, vice-president in charge of production.

Pomona Pump Distributing New Industrial Catalog

Practical information concerning pump adaptation for a wide range of duties under varying conditions is the theme of the new industrial catalog just published by Pomona Pump Company. This brochure contains not only a profusion of illustrated case histories of varied applications, but also presents many practical drawings for laying in this type of pump. A free copy will be supplied by writing Pomona Pump Company, 206 E. Commercial street, Pomona, California, mentioning the REPORTER.

Western N.Y. Production Men Discuss Priorities

A discussion on priorities, led by Harry Dixon of the Buffalo Priorities Field Service of the Office of Production Management, featured the November meeting of the Western New York Paint and Varnish Production Club.

Robert G. Rowe, chairman of the camouflage committee, read a letter from the Engineers Board at Fort Belvoir to the effect that the club's samples looked promising and were being forwarded to Wright Field for further testing.

William Lutz reported on progress in arranging the forthcoming dinner meeting of the Western New York Club with the paint and plastics section of the American Chemical Society in September, 1942. A. T. Montanye, former president of the local club, was honored on his recent appointment to the advisory committee of the national federation.

Hercules to Increase Chlorinated Rubber Output

Plans for expansion of its chlorinated rubber capacity at Parlin, N. J., have been announced by Hercules Powder Company, Wilmington. The enlargement of plant facilities, to be completed in February, will increase production of 'Parlon,' Hercules chlorinated rubber, nearly 50 percent.

Cleveland Paint Club Names Wrede Vice-President

F. C. Wrede, of Benjamin Moore & Co., has been named vice-president of the Cleveland Paint, Varnish and Lacquer Association, to fill the vacancy caused by the elevation of E. J. Forth to the presidency.

N.Y. Paint Club to Hold Christmas Party Dec. 18

The New York Paint, Varnish and Lacquer Association will hold its Christmas Party December 18 in the Biltmore Hotel, this city. Page N. Hamilton, of the Harshaw Chemical Company, is chairman of the committee in charge of arrangements.

Twin Cities Paint Club To Meet December 17

Stan Thompson, of the Archer-Daniels-Midland Company, was host to the November meeting of the Twin Cities North Dakota Paint, Varnish and Lacquer Association. An extensive expansion in the club's policies and activities was discussed. The next meeting of the club will be December 17.

'Hot Oil' Act Permanency Legislation Introduced

OPD Washington Bureau
December 1, 1941

Senator Tom Connally of Texas has introduced legislation which would make permanent the 'hot oil' act which prohibits shipment in interstate commerce of petroleum products produced in violation of State regulations.

N.J. Standard Awards Contract for Cracking Plant

Standard Oil Company of New Jersey announced last week that it had awarded to Foster-Wheeler Corporation a contract for construction of a large catalytic cracking plant at its Bayway refinery at Linden, N. J.

California Standard Names J.H. Tuttle Treasurer

The Standard Oil Company of California has announced that J. H. Tuttle, senior vice-president and director, had succeeded G. J. O'Brien as treasurer. Mr. Tuttle assumed this office in addition to his other responsibilities.

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Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Printing Inks

Solvents Used in Printing Inks

(Continued from December 1 issue)

Butyl butyrate
Butyl lactate
Butyl oleate
Butyl stearate
Butyl propionate
Butylcellosolve
Carbon bisulphide
Carbon tetrachloride
Cellosolve
Chlorohydrocarbons
Cyclohexanol
Cyclohexanyl acetate
Diacetone alcohol
Diamyl phthalate
Dibutyl phthalate
Dichloroethane
Dichloroethyl ether
Diethyl carbonate
Diethyl phthalate
Dimethyl ketone
Dimethyl phthalate
Dioxan
Ether
Ethyl acetate
Ethyl alcohol
Ethyl benzoate
Ethylcellosolve
Ethylene oxide
Ethyleneglycol butyl-ether
Ethyleneglycol diethyl-ether
Ethyleneglycol ethyl-ether
Ethyleneglycol isoamyl-ether
Ethyleneglycol isobutyl-ether
Ethyleneglycol iso-propylether
Ethyleneglycol propyl-ether
Furfural
Furfuryl acetate
Furfuryl alcohol
Glycerin
Glycol diethylether
Glycol ether acetate
Glycol ethylether acetate
Glycol monobutylether
Glycopon
Heptane
Hexalin
Hexane
Hexyl acetate
Isobutyl acetate
Isopropyl acetate
Isopropyl alcohol
Kerosene
Light petroleum distillates
Methyl abietate
Methanol
Methyl acetate
Methylamyl ketone
Methylbutyl ketone
Methylethyl ketone
Methylpropyl ketone
Naphtha products
Pentasol
Petroleum oils
Propyl acetate
Propylene oxide
Propyleneglycol
Propyleneglycol ethers
Propylic heptone
Rosin spirit
Tetrachloroethane
Tetralin
Trichloroethane
Terpineol
Tetrahydrofurfuryl alcohol
Toluene
Trichloroethylene
Tricresyl phosphate
Turpentine
Turpentine substitutes
Xylene

Rust-Preventive Agents Used in Printing Inks

Antimony
Arsenic
Bismuth
One or more elements of the fifth group (periodic system)
Phosphorus
Substances which when added will convert the electric charges of the colloidal particles to the same charge

Vehicles Used in Printing Inks

Acetylcellulose solutions
Amyl acetate solutions of cellulose esters
Acetone solutions of a cellulose ester and glycerin
Asphaltum solutions
Bakelite A in alcoholic solution
Barium stearate in naphtha
Benzene solution of resins
Butyl acetate and butyl alcohol solution of ester gums
Butyleneglycol beta-ethylether
Cellulose ester combination lacquer
Cellulose esters and ethers with volatile solvents
Copal in solvent
Cyclohexanol acetate and toluene
Dammar
Dammar in a volatile solvent
Dammar oil
Drying oils
Ester gums
Ester gums in volatile solvents
Ethyleneglycol mono-ethylether
Fossil resins
Gum arabic
Gums
Glycerin
Glycerin plus thickener and wetting agent
Hydrocarbons
Hydrocarbons plus small portions of neutral liquid solvents
Japan gum in volatile solvents
Kerosene and thickener
Lacquers
Linoxylin
Linseed oil, boiled
Linseed oil, polymerized
Linseed oil lithographic varnish
Lubricating oils
Metallic soaps in naphtha
Mineral oils
Mineral oils with rosin or rosin oils
Mucilaginous bases
Naphtha solution of fatty acid salt of a heavy metal
Natural gums in solution
Nitrocellulose solutions
Oxidized oils
Petrolatum
Phenolic solution of petroleum oils
Resins
Resins dissolved in naphtha
Resins in ammoniacal alkali solutions
Rosin
Rosin in methylated spirit
Rosin oils
Rosin with rosin oils or mineral oils
Rosin soaps
Saponified oils
Shellac and triethanol-amine
Starch
Starch modified with perborates
Sulphonated oils
Synthetic gums in solution
Terpineol
Terpinyl acetate
Tragacanth
Tragacanth paste
Turkey red oils
Turpentine, thickened
Varnishes
Vegetable oils
Water-in-oil emulsions
Waxes

Preservatives

Preservatives for General Industrial Use Against Fungi

Acetic acid
Alum
Amylmetacresol
Benzoic acid
Benzyl parahydroxy-benzoate
Benzylparasept
Betanaphthol
Boric acid
Borates
Butoben
Butylparahydroxy-benzoic acid, normal
Carvacrol
Chloral hydrate
Chlorine (free)
Chlorobutanol
Chlorothymol
Clove oil
Collotone
6:4 Combination of the propyl and ethyl esters of parahydroxy-benzoic acid sodium salts
Corrosive sublimate
Dowicides
Dulcin
Ethyl alcohol
Ethyl parahydroxy-benzoate
Ethylparasept
Fluorides
Formaldehyde
Formic acid
Furfural
Furoic acid
Hydrofuramides
Hydrogen peroxide
Hypochlorites
Iodates
Isothymol
2-Isopropyl-5-methylphenol
Mercuric chloride
Methyl ester of para-hydroxybenzoic acid
Methyl ester of para-oxybenzoic acid
Methyl parahydroxy-benzoate
2-Methyl-5-isopropyl-phenol
3-Methyl-5-isopropyl-phenol
Methylparasept
Methylpropyldiphenyl paraoxybenzoate
Methyl salicylate
Microbin
Moldex
Moldol
Nipacombin A
Nipagin
Nipasol
Orthophenylphenol
Oxyquinolin sulphate
Palustrex
Parachlorometacresol
Parachlorometaxylenol
Paraformaldehyde
Paragerm
Pentachlorophenol
Phenol
Phenylmercuric nitrate
Phenyl salicylate
Picric acid
Presentole
Propyl ester of para-hydroxybenzoic acid
Propyl ester of para-oxybenzoic acid

(To be continued)

Heavy Chemicals

Alkali Supplies Tightening — Fluorspar Schedules Firmer —Offerings of Silver Cyanide Limited and Price Higher —Further Curtailment Made in Tungsten Use by OPM

Defense business continued to keep demand at active levels in the market for heavy chemicals last week. Usually a leveling off occurs in volume around this time of year, but so far no evidence of this was discernible. Less inquiry, however, came from civilian channels indicating that many were resigned to prevailing priorities and allocations now in effect. Some producers were reluctant as yet to announce any contract schedules for the early part of next year. Price developments included an advance in all grades of fluorspar and an advance in silver cyanide. In the latter instant offerings were confined to 100-ounce lots.

The situation in regard to alkalies continued to tighten. Heavy inquiries for defense and civilian uses have depleted all surplus supplies. Some sellers were experiencing difficulty keeping pace with all domestic inquiries, and shipments slowed down to some extent. In view of this, offerings for export were narrowed, and prices in the outside market advanced.

A further curtailment in tungsten use was announced by the OPM in an amendment to the General Preference Order M-14 designed to conserve supplies. The new order provids that 75 percent of all high speed steel orders accepted in any one quarter shall be of the molybdenum type and not more than 25 percent of the tungsten type. The previous ratio was 50-50.

Paper production, as a percentage of six-day capacity, was 107.5 percent in week ended November 29, according to the American Paper and Pulp Association. This compares with 105.5 percent in the previous week and 84.4 percent a year ago.

Alums.—Shipments continued steady to regular channels. Prices without change.

Alumina Sulphate.—Buying well sustained for all grades. Quotations firm.

Ammonia Anhydrous.—Defense and civilian needs absorb available offerings. Price tone firm.

Ammonia, Aqua.—Situation continued tight. No change in the prices.

Ammonia Bicarbonate.—Steady demand, contract writing well underway. Prices firm.

Arsenic

The heavier demand for arsenicals and the decline in imports more than offset increased domestic output of white arsenic. As a result spot supplies were fairly well depleted. The insecticide industry consumes approximately two-thirds of the arsenic produced. The boll weevil infestation was more severe in the Southern states than the previous year requiring considerable quantities of calcium arsenate. While no longer considered an essential war material, the Army and Navy munitions board keeps arsenic under surveillance since it is used in the manufacture of chilled shot, toxic gases and various alloys.

Increased smelter activity and greater recovery in the treatment of ore broadened output of arsenic in the United States. Production of crude and refined in 1939 reached 22,349 short tons, an increase of 34 percent over the 16,685 tons produced in the 1938 year.

Imports have declined since the beginning of the war, especially shipments from France and Sweden, which have been eliminated. Mexico continues as the largest exporter to this country. Imports during the first six months this year totaled 9,799,828 pounds, against 12,552,957 pounds in the same period a year ago. Imports for the year 1940 were 19,857,310 pounds, compared with 29,347,810 pounds in the preceding year.

Prices advanced one cent per pound since the start of the war. Price for car lots stands at 4c. per pound, while less car lots was quoted at 4¾c. per pound. Occasional small lots sold in the resale market from 8c. to 15c. per pound.

Price Changes

Advanced

Flourspar, $2 per ton.
Silver cyanide, 100 oz. lots, ¼c. per oz.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
168.5	168.5	168.5	157.4

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
115.4	115.4	109.0	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Ammonia Bifluoride.—Spot supplies light. Prices very firm.

Ammonia Nitrate.—Defense needs taking bulk of output. Prices without change.

Ammonia Phosphate.—Offerings limited. Pricewise a firm tone predominated.

Ammonia Sulphocyanide.—Domestic production taking care of all inquiries. Prices held firm.

Ammoniac, Sal.—Sellers engaged in writing contracts for next year. Good demand.

Antimony Oxide.—Business usually limited to regular channels for normal needs. Prices rule firm.

Barium Salts.—A situation prevailed in the carbonate, dioxide, hydrate and nitrate. Quotations unchanged and firm.

Bleaching Powder.—Sellers pressed to make all deliveries. Prices were firm.

Calcium Acetate.—Market short. A firm price tone prevailed.

Calcium Chloride.—An active interest prevailed. Prices failed to change.

Carbon Tetrachloride.—Priority control governed the transactions. Prices were firm.

Chlorine.—Sellers writing contracts for next year at levels announced preceding period. Supplies limited.

Cobalt Oxide.—Shipments restricted to allocation basis announced short time ago. Prices firm.

Copper Sulphate.—Bookings heavy, and sellers unable to accept new business. Prices unchanged and firm.

Fluorspar.—One seller advanced prices $2 making No. 1 ground $34 per ton; washed gravel, $24 and No. 2, lump, $24 per ton. Demand active.

Glauber's Salt.—Supply fairly good, and demand active due to shortage of the anhydrous material. Prices unchanged.

Lead Acetate.—Situation tight. Prices underwent no change.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
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PHOSPHORIC ACID 75% Pure Food Grade. Made from high quality elemental phosphorus.
"ELECTROPHOS". A superior quality of triple superphosphate of approximately 48% available P_2O_5. Almost white in appearance.
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INSECTICIDE MATERIAL

Manganese Sulphate.—Anhydrous in tight position, offerings limited. Prices firm.

Nickel Salts.—Sellers able to take care of regular consumers' normal needs for prompt consumption. Prices remain firm.

Potash Carbonate.—With exception of liquid material, supplies were limited. Contract writing well under way.

Potash, Caustic.—Shipments moved at a steady pace to usual channels. Pricewise a firm tone remained in evidence.

Potash Permanganate. — Normal civilian shipments and defense inquiries taken care of. Prices held firm.

Silver Cyanide.—Price advance ¼c. for 100-ounce lots to basis of 34c. per pound. Schedule for larger quantities has been withdrawn.

Soda Ash.—Shipments heavy, with sellers limiting new business. Price tone firm.

Soda Bicarbonate. — Movement steady. Contract writing proceeding. Prices firm.

Soda Caustic.—Heavier defense and civilian needs absorbing available supplies. Active export inquiry. Prices firm.

Soda Chlorate.—Sellers unable to book any new business; market in short supply.

Soda Fluoride.—Defense needs still factor in limiting supplies. Prices firm.

Soda Hydrosulphite. — One factor stepping up production in cooperation with OPM. November output expanded 10 percent over four preceding months; December production will be 15 percent above November and January will be 10 percent ahead of December. Prices unchanged and firm.

Soda Phosphate.—Business limited to regular consumers for normal needs. Prices were firm.

Soda Silicofluoride.—Spot offerings remain small. Prices nominal.

Soda Sulphide.—Demand active and supplies tight. Prices firm.

Zinc Chloride.—Shipments moved steadily against contracts. Prices held firm.

Acids

There was little evidence of any let down in the buying of various acids last week. Defense requirements continued to account for a good portion of the business, and kept many materials in a very tight position. Prices were maintained at previous levels.

Acetic.—Market tight. Prices firm at ceiling levels.

Chromic.—Shipments held to normal needs against contracts. Prices without change.

Formic.—New business restricted as a rule. Pricewise a firm tone prevailed.

Hydrofluoric.—Withdrawals steady. A firm tone governed the dealings.

Muriatic.—Active movement to all channels. Quotations unchanged.

Nitric.—Defense and civilian needs take available offerings. Prices firm.

Oxalic.—Supplies scarce. Prices underwent no change.

Sulphuric.—Business continued at a good pace, and market retained its firm position.

Baltimore, Dec. 3.—The quotations that form the basis of trading are $14 per ton for 60 degree and $16 per ton for 66 degree acid. Oleum is held at $19 per ton for 20 percent supplies.

Insecticides

Seasonal dullness continued to characterize dealings in the market for agricultural insecticides and fungicides last week. Transactions were usually of a routine nature, however. More than usual number of inquiries reached the market for next year's requirements. The outlook for next season continued bright. No new price developments took place, and the tone remained firm.

Calcium Arsenate. — Dealings continued to follow a normal seasonal trend. Prices lacked change.

Lead Arsenate.—Market was firm. Interest was only moderate.

Resale Market

Prices continued upward in the resale market for heavy chemicals last week. A further scarcity of offerings was noticeable with the situation in alkalies much tighter. A good number

—*Continued on page* 40

Chemical Workers Show Increase

—*Continued from page* 5

Payroll Totals

(100 = 1923-25 average)

	Oct., 1941.	Sept., 1941.	Oct., 1940.
Chemicals	257.6	250.2	176.2
Cottonseed oil, cake and meal	141.9	115.4	135.7
Druggists' preparations	184.4	177.9	133.3
Fertilizers	101.9	111.6	82.4
Paint and varnishes	173.5	119.9	135.8
Petroleum	163.2	166.4	136.2
Rayon and allied products	375.5	374.3	322.6
Soap	143.5	139.6	107.2

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment.		Payroll total.	
	Oct., 1941.	Sept., 1941.	Oct., 1941.	Sept., 1941.
Metalliferous mining	79.4	78.8	88.4	85.9
Quarrying and nonmetallic mining	53.8	54.4	60.8	60.6
Crude petroleum producing	61.3	61.6	63.0	63.3
Dyeing and cleaning	121.0	121.0	98.4	99.4

Employment in New York

Employment in factories producing chemicals and related products in New York State gained 0.4 percent from September 15 to October 15, and gained 3.7 percent in the city, according to the records of the State Department of Labor.

General factory employment rose 0.3 percent from September 15 to October 15, and payrolls dropped 0.3 percent during the same period. The department's index of employment for October 15 was 126.7. The payroll index was 152.1. These indexes are based on the average years 1925-27 as 100.

	Percentages— State.	City.
Drug and industrial chemicals	+1.6	+ 3.7
Oil products	+2.8	+ 3.0
Paints and colors	+2.7	+ 3.7
Photographic and miscellaneous chemicals	—1.2	+30.1

Price-Control Bill Passed by House

—*Continued from page* 4

ity to place ceilings on prices and rents on a selective basis. Primary base for commodity ceilings to be prices prevailing between October 1 and October 15, 1941, with adjustments to provide for any abnormal prices during that period. Primary base for rent ceilings to be October 15, 1941, applicable to rents in defense areas only.

4. Prohibition against the establishment of ceilings on agricultural commodities lower than 110 percent of the parity price; the market price on October 1, 1941; or the average price of the commodity in the period July 1, 1919, to June 30, 1929—whichever is the highest.

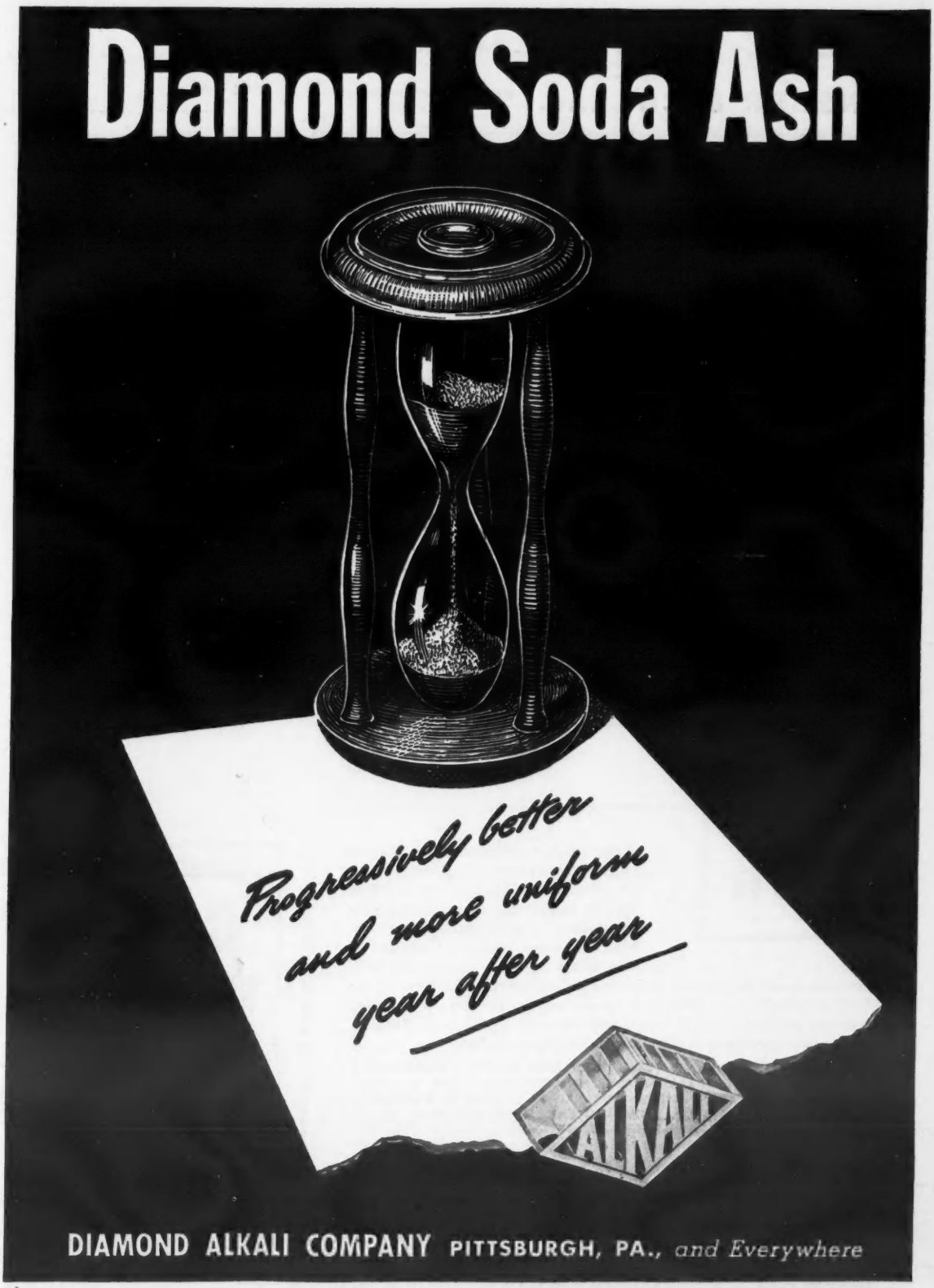
5. The President is authorized to buy and sell commodities in order to obtain production by marginal or high-cost producers, provided that in the case of agricultural products no purchases or sales may be made if in violation of the limitations contained in the agricultural adjustment act of 1938.

6. The administrator is authorized to issue regulations or to prohibit speculative or manipulative price practices.

7. The act will terminate June 30, 1943, unless previously found unnecessary by presidential proclamation or by act of Congress.

8. Violations will be punishable by action in the United States District Courts. In the case of criminal violations by imposition of a fine of $5,000 or one years imprisonment. Enforcement to be by injunction.

The major enforcement provision of the original bill was through a licensing system. This was deleted by the house, but is expected to be returned to the measure by the Senate. Without some such provision, administration leaders say the entire law would be unenforceable. It also is expected that the senate will attempt to revise the prohibition concerning agricultural prices, which, it is said, would permit them to rise as high as 130 percent of parity in some cases.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CLEANING FLUIDS, DISINFECTANTS, SANITARY PRODUCTS, NAPHTHAS, CATTLE SPRAYS, FORMALDEHYDES, INSECTICIDES, FUEL or LUBRICATING OILS, LEATHERS, LINOLEUMS, PAINTS, LACQUERS, VARNISHES, PARA BLOCKS, PLASTICS, PRINTING INK, RUBBER, TAPES, GLUES, PASTES, TEXTILES, WAXES, POLISHES, etc., etc.
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BRANCH STOCKS
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FACTORIES AT CLIFTON, N. J. AND D'ELLAINE (VAR) FRANCE

Heavy Chemicals

Resale Market

—*Continued from page 39*

of inquiries for export remained in evidence.

Alumina sulphate, commercial, ranged from $2.50 to $3 per 100 pounds. Potash chrome alum, 25c. to 30c. per pound; potash alum, 6½c. to 12c. per pound; ammonia bifluoride, 30c. per pound; arsenic, 7½c. to 18c. per pound; barium chloride, 8c. to 15c. per pound; bleaching powder, 11c. to 20c. per pound; calcium acetate, 6½c. per pound; carbon tetrachloride, 18c. to 22c. per pound; copper sulphate, 7c. to 8½c. per pound; nickel salts, 25c. to 40c. per pound; red phosphorus, 85c. to $1 per pound.

Potash carbonate, 9c. to 11c. per pound; potash, caustic, 9c. to 19½c. per pound; potash chlorate, 50c. to 70c. per pound; potash metabisulphite, 38c. to 50c. per pound and potash permanganate, $1.20 to $1.80 per pound.

Soda ash, $3 to $4 per 100 pounds; soda, caustic, $5 to $6 per 100 pounds; soda chlorate, 35c. to 50c. per pound; soda hydrosulphite, 34c. to 40c. per pound; soda nitrite, 10c. to 12c. per pound; soda phosphate, tribasic, $4.25 to $5 per 100 pounds; soda pyrophosphate, 10c. to 15c. per pound; soda silicofluoride, 22c. to 25c. per pound; soda sulphate, anhydrous, 3½c. to 5c. per pound; soda sulphide, 9½c. to 11c. per pound; zinc chloride, 13c. to 16c. per pound and zinc sulphate, 6½c. to 9c. per pound.

N.A.M. Denounces Defense Confusion

—*Continued from page 7*

inescapable duty of public officials to protect workers and their families against every form of intimidation, coercion or violence.

The right to strike must not be used to destroy the right to work or the right to employ. It should be illegal to call a strike (1) unless more than half of the workers affected vote for it by secret ballot properly supervised; (2) when there is no dispute with the employer the so-called sympathetic strike; (3) to settle a dispute between rival unions; (4) to bring about a closed shop or any other form of labor contract leading to a union monopoly of employment.

It is recognized, of course, that individuals have just as much right to join together into unions for their mutual benefit as they have to join together in corporations. But no organization, labor union or corporation, should exercise power without corresponding responsibility.

The welfare of the employee, the employer and the public at large requires that labor unions as well as corporations be legally responsible and fully accountable for their actions and those of their agents. This would weed out labor racketeers and thus protect the public, the individual laborer and the well-run union.

Inflation

Inflation creeps up on a nation silently and almost unnoticed. But it can be just as socially destructive as war, and once it has arrived no one is able to escape it.

What exactly does inflation mean to the average citizen? It means that the value of his pay check may be cut in half—that the price of everything he has to buy may be doubled. A pound of meat may cost him more than he now pays for a pair of shoes. A little later a pair of shoes may cost him more than he now pays for a suit of clothes. Still later a suit of clothes may cost him more than he now pays for a new car. In time savings may be wiped out, the value of insurance policies destroyed, investments wrecked and social security becomes a meaningless phrase.

How can we protect ourselves from this danger? First we must all recognize that an emergency exists. Industry must not misuse this emergency to raise prices; labor must not misuse it to demand an increase of wage rate; government must not misuse it to boost farm prices.

But this alone will not be enough. We must also:

1. Cut to the bone every non-defense expenditure—Federal, State and local. Every public works project which is not vital to national defense should be postponed.
2. Avoid waste in defense spending.
3. Raise a substantial proportion of the cost of the defense program by widely spread taxation and borrow the remainder out of the savings of the country, not from the banks.
4. Increase civilian production as much as possible without delaying the defense program.
5. Release the government stocks of farm commodities as the cost of living tends to rise.
6. Hold installment buying in check.

If all of these policies are followed quickly enough and with sufficient vigor we may escape severe inflation in this country. Otherwise a system of rationing and price control for all commodities, wages, rents and services may be necessary to guard against runaway inflation. For a short time that might enable us to escape disaster. It could not prevent great hardship. And to be successful over a long period it would require something very close to complete dictatorship.

Taxes

Unwise taxation can wreck a nation. It can dry up the sources of government revenue. It can destroy our free institutions. It can make impossible the return to a normal way of life after the war is over. In considering our present-day tax problems we must be aware of these dangers.

The maximum number of citizens must contribute their fair share to the support of the government. Over half of the national income now goes to those who are almost untouched by direct taxation. As one means of reaching this income immediately we recommend a general Federal sales tax payable upon the last sale of all goods and commodities produced for use or consumption.

F. Sturgis Stout, of John R. Evans & Co., Camden, N. J., has been named a director of the Foundation of the Tanners' Research Laboratory, located at the University of Cincinnati.

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GROUND AND SOLD
Commercial flour, dusting sulphur, wettable sulphur, rubbermakers' sulphur . . . All crude sulphur used is 99½% pure.
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Stauffer CHEMICALS SINCE 1888
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SAN FRANCISCO, CAL. 420 LEXINGTON AVE., NEW YORK CHICAGO, ILL.

Priorities Scheme Revised for 1942

—Continued from page 3

the percentage of his materials requirements which will be directly incorporated in products regarded as being of basic importance in defense or in the national economy. The producer may receive one or more ratings under the plan.

PRP will replace the old Defense Supplies Rating Plan under which priority ratings were given to certain producers who found it necessary to schedule production in advance of receiving orders, but it will have much wider application. A larger number of producers will now be eligible for the new limited blanket ratings, provided they can show that a substantial proportion of their production in recent months has been essential to the defense program.

The new plan is to be applied first on a company basis. It is expected to form the foundation for similar plans on an industry basis as rapidly as the over-all needs of the various industries are known in the Office of Production Management.

Since the anticipated requirements of a manufacturer may change if the pattern of his defense orders changes during a calendar quarter, the new plan provides that interim reports may be filed. The first quarter for which application under the new plan will be received is from January 1 to March 31, 1942.

Where necessary because of long-term commitments or the nature of his business, a manufacturer may file an additional application covering the second quarter at the same time he files for the first. All applications must be for calendar quarters, however, so that the information obtained by the Office of Production Management will be uniform as to dates.

The new PD-25A application forms are now ready for distribution from the Priorities Division of OPM in Washington, or field offices.

Effective for First Quarter

Some of the main points of the new plan follow:—

The Production Requirements Plan will go into effect for the first calendar quarter of 1942.

Complete inventory information must be given. Inventories must be held at the minimum practicable level.

A list of critical materials known as Materials List No. 1 is part of the plan. The preference rating granted may be used only to obtain materials on this list except when other items are specifically named on the form in a section provided for that purpose. Chemicals and related materials are quite completely covered in list No. 1 because of these generally inclusive provisions:—

Other oxides and compounds of metals listed in I-A.

Other [under category "V-Chemicals"] (specify)

The rating will apply only to materials needed for defense or essential civilian production, and cannot be used to obtain capital equipment. Such capital items—for example, machine tools and other production goods—must be obtained in the usual way by filling out application form PD-1, if they cannot be obtained without aid.

Application form PD-25A may be reproduced by anyone who wants to use it so long as it is reproduced exactly in its original form, size, color, and phraseology.

All communications and applications should be addressed to the Production Requirements Plan Section, Division of Priorities, Office of Production Management.

An applicant granted a rating under the plan serves the rating on the suppliers by a prescribed endorsement on his purchase orders.

Suppliers of the applicant may extend the rating to obtain delivery of materials which are to be physically incorporated in the applicant's products, in accordance with the terms of the preference rating order issued in connection with the plan.

No preference ratings other than those authorized in form PD-25A may be used by the producer operating under the plan to obtain deliveries of production materials or maintenance, repair and operating supplies unless specific authorization is granted.

Materials in List No. 1

Under the heading of chemicals and in other categories, PRP Materials List No. 1 comprises the following articles:—

Acetanilid
Acetic anhydride
Acetone
Acetyl chloride
Acetylene
Acetylene tetrachloride
Acid, acetic
Arsanilic
Arsenic
Ascorbic
Chlorosulphonic
Chromic
Citric
Cresylic
Hydrochloric
Hydrofluoric
Hypophosphoric
Lactic
Monochloroacetic
Nitric
Oxalic
Phosphoric
Picric
Pyrogallic
Salicylic
Stearic
Succinic
Sulphuric, fuming (oleum)
Tannic
Tartaric
Trichloroacetic
Alcohol, butyl
Ethyl (95% equivalent)
Isopropyl
Methyl
Specially denatured (various formulas)
Albumin
Alphanaphthol
Alum
Aluminum and alloys
Chlorides
Fluoride compounds, including cryolite
Oxide, crude, (bauxite)
Oxide, refined (alumina)
Sulphates
Aminophenol, para-N-butyl
Aminophenol, para-N-N'-dibutyl
Aminophenol, para-isobutyl
Aminophenol, para-monobenzol
Aminophenol, para-monomethyl, sulphate
Ammonia, anhydrous
Ammonia, aqua
Carbonate
Chloride
Citrate
Hydroxide
Nitrate
Picrate
Sulphate
Sulphide
Ammonium-aluminum sulphate
Amyl acetate
Anilin
Anisic aldehyde
Antimony
Oxides
Sulphide
Trichloride
Antipyrine
Arochlor
Arsenic trioxide (arsenous acid)
Asphaltum
Asbestos
Barium hydrate
Barium nitrate
Barium peroxide
Barium sulphate
Benzaldehyde
Benzene
Benzol
Benzoyl chloride
Benzyl alcohol
Benzyl chloride
Beryllium
Betamethylnaphthalene
Betapicolin
Borax
Boric acid
Bristles, hog, imported
Bromine
Butyl acetate
Cadmium
Iodide
Oxide
Red
Sulphide
Caffeine
Calcium acetate
Carbide
Chloride
Cyanamide
Hypochlorite
Nitrate
Camphor
Carbitol acetate
Carbon bisulphide
Dioxide
Electrodes
Tetrachloride
Casein
Caustic soda
Cellulose
Chloride of lime
Chloroacetophenone
Chlorine
Chlorobutanol
Chloroform
Chloropicrin
Chromite
Chromium
Oxides
Cobalt
Oxides
Collodion
Congo (copal) resin
Copper
Oxide (cuprous)
Sulphate
Cork
Cotton linters
Cresols
Croton oil
Cryolite
Crystal violet
Cyclohexanone
Dextrene
Dextrose
Dibutyl phthalate
Dibutylamine
Dichlorodiethyl sulphide
Dichloroethylene
Diethanolamine
Diethylaminoethanol
Diethyl oxylate
Diethyl phthalate
Dimethylaminoethanol
Dimethylanilin
Dinitrochlorobenzene
Dinitrophenol
Dinitrotoluene
Dipentene
Diphenylamine
Diphenylaminochlorarsin
Ether, ethyl
Propyl, nominal
Ethyl acetate
Cyanoacetate
Lactate
Ethylcellulose
Ethylene dibromide
Dichloride
Oxide
Ethyleneglycol
Eucalyptol
Ferric chloride
Ferric-ammonium citrate
Ferric-sodium oxalate
Ferroalloys
Ferrous sulphate
Fish oils
Flaxseed
Fluorspar
Formaldehyde
Glycerin
Graphite
Electrodes
Gum arabic
Gypsum
Hexachlorobenzene
Hexamethylenetetramine
Hydrogen Peroxide
Iodine
Ipecac
Iridium
Iron blue (prussman)
Cacodylate
Sulphate
Iso-octane
Isopetane
Isopropyl acetate
Keratin
Lanolin
Lead
Azide
Chromate
Oxide
Peroxide
Pigments
Red
Sulphocyanide
White
Litharge
Lithium hydroxide
Lithopone
Magnesite

Paint Priorities Procedure Explained

—Continued from page 3

will soon be available, or he can request an assignment of a basic monthly poundage.

Repair and Maintenance Order

P-22, dealing with repair, maintenance and operating supplies, was the subject of much discussion after its presentation by Dean Gallagher, of OPM. It gives an A-10 rating for materials for repair and maintenance of existing plants and of operating supplies which do not appear in a finished product. The question was asked if P-22 could be applied with regard to alcohol used in a given formulation, but which evaporates in the process, and therefore is not actually in the finished product. Mr. Gallagher replied that it could not be applied, and that there had been much discussion with the chemical division on this very point. P-22 does not apply to purchase of new equipment. It was admitted there is no adequate way to police this order, but if a supplier suspects the validity of a request for materials under P-22 he is at liberty to question it. It was brought out that striping, guard rail and road sign paints are maintenance materials under P-22. If a P-22 order fails to produce any given material, the customer can apply to OPM on PD-1, being careful to so specify.

Magnesium and alloys
Oxides and other compounds
Manganese Dioxide
Mercury bichloride
Chloride (calomel)
Fulminate
Oxides
Metacresol
Methanol
Methyl methacrylate
Methylamine
Methylethyl ketone
Methylethylamine solution
Methyliysobutyl ketone
2-Methylnaphthalene
Methylpropyl ketone
Mica
Molybdenum Oxide
Monochlorobenzene
Montan wax
Naphthalene
Neohexane
Nickel
Chloride
Oxide
Sulphate
Niter cake
Nitrobenzene
Nitrocellulose
Nitroglycerin
Nitrophenol
Nylon
Oil, castor
Fish
Linseed
Neatsfoot
Palm
Sperm
Tung
Vegetable
Orthoaminophenol
Orthonitrophenol
Orthotolidin
Oxides of all listed metals
Oxygen
Oxyquinolin
Paraffin, chlorinated
Paraformaldehyde
Parahydroxybenzoic acid
Paranitrobenzoic acid
Paranitrobenzyl chloride
Perchloroethylene
Pentaerythritol tetranitrate
Pentasol
Phenol
Phenothiazin
Phosgene
Phosphorous, red
White
Phosphorus oxychloride
Phthalic anhydride
Plastics (also see synthetic resins)
Polyvinyl chloride
Potash alum
Potash-chrome alum
Potassium acetate
Acid Phthalate
Alum
Bichromate
Carbonate
Chlorate
Cyanide
Ferricyanide
Hydroxide
Iodide
Metabisulphite
Nitrate
Perchlorate
Permanganate
Sodium tartrate
Potassium sodium tartrate
Propyleneglycol
Quicksilver
Quinine
Riboflavin
Rochelle salt
Rosin size
Rubber
Potassium sodium Substitutes
Salicylaldehyde
Saltcake
Shellac
Silver nitrate
Soda ash
Soda-lime
Sodium acetate
Aluminate
Azide
Benzoate
Bicarbonate
Bichromate
Bisulphite
Cacodylate
Carbonate
Chloride
Chromate
Cyanide
Hydrosulphite
Hypochlorite
Iodide
Methylate
Nitrate
Oxalate
Pentachlorophenate
Phosphate, monobasic
Silicate
Sulphate
Sulphite
Thiosulphate
Tungstate
Strannous chloride
Strontium oxalate
Nitrate
Peroxide
Sulphonated oil
Sulphur
Chloride
Trioxide
Synthetic resins
Casting resins
Phenolic resins
Polystyrene
Coatings
Alkyd resins
Phenolic resins
Urea resins
Forms (rods, sheets, tubes)
Cellulose acetate
Methyl methacrylate
Nitrocellulose
Molding powders
Cellulose acetate
Phenolic resin
Plystyrene resin
Urea resin
Vinylite
Tetrachloroethylene
Tetraethyl-lead
Tetryl
Theobromine
Theobromine-sodium salicylate
Theophyllin
Thionyl chloride
Thiourea
Thymol
Tin
Chlorides
Dioxide
Titanium Dioxide
Trichloroethylene
Tricresyl phosphate
Triethanolamine
Trinitrophenylmethylnitramine
Trinitrotoluene
Triocetin
Toluol
Tungsten
Trioxide (60%)
Turkey-red oil
Urea
Vanadium
Oxide
Vanillin
Vinyl acetate
Xylol
Zinc
Chromate
Cyanide
Dust
Oxide
Pigments
Stearate
Sulphate
Zirconium

Accumulation of Small Orders

At several points in the meeting the question was asked about allowing very small orders to accumulate and then pass them along in a group, as a single bookkeeping operation. This is not allowable at the present time, but a revision is being drafted, it was stated, to correct this situation. The thought was advanced that possibly small orders might be sent individually to suppliers, who would let them accumulate and make delivery in a group. No answer was avaliable for this suggestion, however.

Amendments and New Orders

The clinic brought out the following facts on amendments recently made to regulations and certain other revisions and new orders now in process of being made:—

Regulation No. 1 and Preference Rating P-22 are being amended. Full mandatory allocation of phenol will become effective before the end of the month. A new toluol allocation is possible in order to build up a stock pile, as the situation is expected to become acute by Spring. An alcohol allocation order has not been determined on, but molasses will be under full mandatory control soon. A program is being developed to assure necessary acetic acid for the white lead industry. A methanol amendment is being considered to provide enough formaldehyde for resin manufacturers who have available certain amounts of phenols, ureas, etc. Control of thermoplastics is in the offing. Directives may be issued to determine the relative importance of the plastics and the paint industry. A marine paint order is under way, with a good rating for materials, designed to permit the wholesale purchase three months in advance of materials needed for merchant marine (but not pleasure) craft. So-called "end-use" certificates will be devised to clarify the matter of essential civilian materials.

Miscellaneous Matters

Other factual statements made at the clinic are:—

It is mandatory to accept a defense order, but paint for defense housing is not a defense order. You have to use a PD-1 to get it. A poor credit risk absolves from the defense order mandate. In keeping inventory records, two sets are preferable: one for priority rated materials and the second for other materials. Preference rating certificates should be in hand before shipments are made, even when a customer is in urgent need; also extensions should be made before an order is shipped.

Paint for freight cars cannot be obtained on an A-3 basis as such cars are not on the priorities critical list. Cobalt supplies are complicated by sea transportation. The zinc pool is working successfully, and there is no disposition now to modify it to conform to the titanium oxide order. The civilian supply division is endeavoring to allocate scarce chemicals among civilian manufacturers. Steel drums are on allocation on the same basis as in September and October, that is, between 60 and 70 percent. Manufacturers should put in their orders now for wooden barrels to get on record with the cooperage industry. There is no formal ruling of OPM against exchange and barter of materials not on preference lists.

Speakers at Clinic

Speakers at the clinic from OPM other than those mentioned were J. B. Davis, chief of the Protective and Technical Coatings Division, and M. Rea Paul, his assistant; Mason Manghum, of the industry contract unit; A. E. Petersen, of the Chemical Division; Warren Adams, counselor of the Chemical Division; Dr. D. P. Morgan, consultant of the Chemical Division; E. K. Jenks, of the Metals Division; M. L. Trilch, of the Zinc Division; Frank Talbot, of Civilian Supply, and J. R. Taylor, of the container division.

Chemical Show Draws Big Interest

—Continued from page 5

teristics of various resinous products were described and demonstrated by lecturers present at the booth.

Casein Company of America

This exhibit was devoted to the use of casein in glues, resins, and other industrial products. Among the materials treated were "Protovac" modified caseins and caseinates; "Cascolac," casein products for coatings and water inks; "Cascorez," casein-resin emulsions; "Thor," foundry products; and numerous types of casein adhesives.

Commercial Solvents Corporation

The nitroparaffins now produced by the Commercial Solvents Corporation were featured in this exhibit. Technical representatives from the Terre Haute laboratories of the company were on hand to discuss the application of the new materials.

Darco Corporation

A line of activated carbons for use in industrial clarification and purification was displayed.

Dow Chemical Company

The Dow Chemical Company was represented at the exposition by a display of its "Dowtherm" heat transfer agents.

Eimer & Amend

An assortment of modern chemical laboratory apparatus was exhibited by Eimer & Amend and the Fisher Scientific Company, who shared the booth. Among the interesting new equipment shown was an infra-red lamp device for use in solution evaporation, analytical sample, drying, and laboratory glassware quickly.

Glyco Products Company

Replacement products for materials difficult to obtain at the present time were featured in the Glyco booth. Polyhydric alcohol esters, synthetic waxes and resins, and special emulsions were among the products shown.

W. A. Hammond Drierite Company

Samples of "Drierite" and information regarding its industrial use for drying solids, liquids, and gases were displayed in this space.

Hanovia Chemical and Manufacturing Company

A variety of the salts of platinum and other valuable metals used in laboratory practice were exhibited by the Hanovia organization.

Hercules Powder Company

A comfortably furnished booth enclosed in transparent blue cellulose acetate sheeting constituted the Hercules display. Feature of the exhibit was a prize contest through which the Hercules company is seeking a name for a new plastic product.

Koppers Company

A large animated display, picturing the various industrial uses of ammonium thiocyanate dominated the Koppers exhibit. Supplementary displays depicted the increase in consumption and the decrease in price of ammonium thiocyanate since the Tar and Chemical Division of the Koppers Company has started to manufacture it domestically.

Matheson Company

An assortment of cylinders of compressed gases for laboratory and industrial application was contained in this display.

Neville Company

The Neville Company invited showgoers to have their features "murdered" by a clever caricaturist in their booth. A goodly crowd was on hand throughout the exposition to watch his work with amusement. The background of the booth consisted of a display of samples of the many coaltar products made by company.

Niagara Alkali Company

Samples of the alkalies manufactured by the Niagara organization were arranged in this space. Manuals presenting information on the use of alkalies and chlorine and generally useful technical data were available for distribution to interested visitors.

Chas. Pfizer & Co.

The Pfizer booth consisted of a display of samples of the ascorbic acid, citric acid, and riboflavin manufactured by the company.

Sealtest, Inc.

Modern developments in the industrial application of byproducts of the milk industry were shown by the Sealtest laboratories. Among the materials displayed were lactic acid, sodium lactate, calcium lactate, ferrous lactate, and related chemicals.

Titanium Alloy Manufacturing Company

An assortment of titanium and zirconium chemicals, and industrial products in which they are employed were exhibited by the Titanium Alloy Company. Many popular items were recognizable in the display.

Obituaries

—Continued from page 3

Dr. F. H. Getman

Dr. F. H. Getman, director of the Hillside Laboratory, Stamford, Conn., and associate professor of Chemistry at Bryn Mawr University from 1909-15, died December 2. He was sixty-four years of age.

Dr. Getman was the author of "Blow-pipe Analysis," "Laboratory Exercises in Physical Chemistry," "Introduction to Physical Science" and "Outlines of Theoretical Chemistry," and contributed papers to a number of scientific journals.

William J. Lawrence

William J. Lawrence, former vice-president and general manager of the Paper Makers Chemical Division of the Hercules Powder Company and president of the Bryant Paper Company, Kalamazoo, Mich., died November 27. He was 49 years of age.

In 1911, Mr. Lawrence became superintendent in charge of manufacturing for the Paper Makers Chemical Company, of Easton, Pa. When the plant of the Western Paper Makers Chemical Company was built at Kalamazoo, Mich., W. J. Lawrence became vice-president and general manager. Following the reorganization of the combined companies in 1928, be became president and general manager of the Paper Makers Chemical Corporation of the Vera Chemical Company, Ltd., and the Georgia-Louisiana Corporation. In 1931, when the company became affiliated with Hercules Powder, he continued as its president and was elected to the directorate of Hercules Powder.

Upon the consolidation of the Paper Makers Chemical into the Hercules Powder Company as a division, Mr. Lawrence was named vice-president and general manager. He resigned in 1937 to join the Bryant Paper Company as president and general manager.

Ralph Childs, purchasing agent for Socony-Vacuum Oil Company, died in Westfield, N. J., December 4. He was fifty-three years of age.

Emil E. Diffenbach, formerly affiliated with the Balbach Smelting & Refining Company, Newark, died December 4. He was seventy-nine years of age.

Marcus N. Gustavson, president of the Diamond Products Company, manufacturer of paints and varnishes, Chicago, died November 30. He was sixty-six years old.

Dr. Ralph W. Higbie, assistant professor in chemical engineering at Speed Scientific School, Louisville, died unexpectedly November 24. He was thirty years old.

J. L. Johnson, well known naval stores operator, died November 27, in his home in Statesboro, Ga. He was sixty years of age.

Wilbur Stewart LaRue, vice-president in charge of purchases for the Gardner-Richardson Company, Middletown, Ohio, died November 20. Mr. LaRue for many years had been an officer and an associate of both The Richardson Company, Lockland, Ohio, and the Gardner-Richardson Company, Middletown, Ohio.

Dr. John J. McGinty, president of the Standard Pharmaceutical Corporation, Baltimore, died November 27. He was sixty-seven years old.

Dr. T. Hubert Wilson, secretary-treasurer of the Atlas Medic Company, Buffalo, and who was a developer of a treatment for asthma, hay fever and catarrh, died November 30. He was sixty-five years of age.

Joseph P. Yates, manager of the Harrison, N. J., plant of Swift & Co., died December 4. He was fifty-eight years of age.

BALANCE

BEYOND THE VERDICT OF THE SCALE

Scientific equipment alone can never compensate for the human equation: skill, experience and the will to permit no compromise with excellence • Only the combination of all can deliver the balance assured when you

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Dyestuffs, Textile and Leather Chemicals

Dark Blood Albumen Prices Advanced—Tapioca Flour Easier —Liquid Quebracho Extract Contracts Extended Into 1942 —Some Slackening in Demand for Sizing Materials

A leveling off in the demand was reported in some sections of the market for dyestuffs, textile and leather chemicals last week. Consumers apparently were keeping inventories closer to working levels as the year end approached. Prices have been sufficiently stabilized lately also to limit any forward buying at this time. One seller announced that contracts for liquid quebracho will be booked for the early part of next year at unchanged levels. Price changes included an upward revision in the schedule for dark blood albumen and a slight reduction in tapioca flour.

A slackening in the demand for sizing materials was more evident. Offerings of some materials such as tapioca and sago flour were more plentiful. Corn derivatives moved fairly steady, and price stability continued to characterize the market. Interest was lighter for various starches. Expansion of dried egg production facilities was expected to relieve the tight situation and offset heavy government purchases for domestic and lend-lease consumption.

Price Changes

Advanced

Albumen, blood, dark, 1c. to 1½c. per lb.

Reduced

Tapioca flour, ¼c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
248.8	248.8	248.6	153.8

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Offerings continued limited. Prices remain the same.

Alumina Chloride.—Business steady, with market position tight and prices unchanged.

Ammonia Bichromate.—Routine dealings. Prices failed to change.

Potash Bichromate.—Contract writing well underway, while business was limited to normal needs against contracts.

Potash Prussiate.—Business confined to regular consumers. Prices without alteration.

Soda Bichromate.—Shipments moved steadily against contracts. A firm price tone governed the dealings.

Soda Prussiate.—Good interest. Sellers engaged in writing contracts for early part of next year at firm levels.

Zinc Dust.—Buying steady. Prices firm at ceiling levels. Producers of metallic zinc not required to set aside any zinc dust for December pool.

Dyestuffs

Annatto. — Inquiries and shipments only moderate. Prices failed to change.

Cochineal.—Buying remained light. Prices held at previous levels.

Fustic.—Replacement buying moderate. Contract price firm for early part of next year.

Hypernic.—Business irregular. Contract writing underway for next year at same levels.

Oakbark Extract

At one time oakbark extract was one of the major sources of tannin in the United States. It has gradually declined in importance until today it occupies a position about eighth. Part of the tapering off could be attributed to the increasing scarcity, and part to the fact that some of the newer extracts produced results more satisfactory and more economically.

Oakbark extract is obtained from the common oak and chestnut oak. Practically all oak bark used in this country is of domestic origin. The latest census figures reported 1939 consumption of 14,000,000 pounds, compared with 12,698,305 pounds in the 1937 period.

A stable price situation prevailed for a long period, and quotations were only advanced in June of this year slightly to take care of higher production costs. Prices at the start of the war were:—Car lots, 3½c. per pounds; less car lots, 3⅝c. per pound and tanks, 2¾c. per pound. Currently quotations for less car lots are 3¾c. per pound and tanks, 3c. per pound.

Indigo.—Transactions dull. Nothing new occurred in the prices.

Logwood.—Sellers engaged in writing contracts at firm levels for early next year. Shipments moderately active.

Turmeric.—Spot offerings sufficient to meet demands. Prices unchanged and firm.

Sizing Materials

Albumen, Blood.—Prices for dark advanced 1c. to 1½c. per pound to basis of 12½c. in carloads; 14c. per pound in ton lots; 15c. in bag lots and 20c. per pound in smaller quantities. Demand heavy.

Albumen, Egg.—Domestic and imported prices unchanged. Situation tight. During week ended November 29 government purchases of dried eggs totaled 387,875 pounds.

Corn, Sugar.—Bookings less active than previous period. Prices held the same.

Dextrin, Corn.—Dealings moderately active. No change in the prices

Egg Yolk.—Offerings small, and prices held firm at previously established levels.

Sago Flour.—Supplies adequate, and buying fairly steady. Prices unchanged.

Starch, Corn.—Some let down in buying noticeable. Prices rule firm.

Starch, Potato.—Offerings expected to be more plentiful as mills begin seasonal production. Prices steady to firm.

Starch, Rice.—Quotations held unchanged, while consumers made replacements steadily.

Tapioca Flour.—Prices eased slightly ranging from 3½c. to 6½c. per pound. Shipments steady from primary markets.

Tanning Materials

Chestnut Extract. — Shipments steady. Market tone remained firm.

Divi-Divi.—Prices firm at recently established levels. Moderate inquiry.

Gambier. — Spot offering s small. Pdices remain nominal.

Hemlock.—Steady inquiry. Pricewise a firm tone prevailed.

Hematine.—Interest moderate. Quotations firm into early part of next year.

Osage Orange. — Good inquiry. Prices to be firm for first part of 1942.

Quebracho. — One seller booking contracts on liquid extract at unchanged levels for first part of next year. Good interest.

Quercitron. — Purchases moderately active, and prices rule firm.

Spruce Extract.—Active demand, supplies remain tight. Prices firm.

Wattle Bark.—Inquiries and shipments steady. No change disclosed in the prices.

Resale Market

Offerings remained narrow in the resale market for dyestuffs, textile and leather chemicals last week. A slightly easier trend was evident for soda bichromate at 21c. to 24c. per pound; potash bichormate ranged from 22c. to 26c. per pound. Soda prussiate was difficult to obtain, prices were from 30c. to 35c. per pound; potash prussiate, yellow, 37c. to 45c. per pound and red potash prussiate $1 to $1.20 per pound.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other government agencies as follows:—

Army Air Corps

Ethylene Glycol:—$81,916.80, Dow Chemical Co., Midland; $95,491.20, E. I. duPont de Nemours & Co., Wilmington; $195,000, Carbide & Carbon Chemicals Corp., New York.

Oil, Lard:—$34,810, Independent Mfg. Co., Philadelphia.

Pigmented Dope:—$180,008.22, Grand Rapids Varnish Corp., Grand Rapids; $59,166.68, W. P. Fuller & Co., Los Angeles; $21,778.88, Andrew Brown Co., Los Angeles; $51,476.36, Beckwith-Chandler Co., Newark, N. J.

Army Ordnance

Enamel:—$10,276.51, Indianapolis Paint & Color Corp., Indianapolis.

Fireworks:—$1,435,712.06, Kilgore Mfg. Co., Signal Flare Div., Tipp City, Okla.

Glycerin:—$6,900, Conray Products Company, New York.

Paint:—$1,639.68, Rose Diehl Paint Corp., Philadelphia.

Strontium Nitrate:—$12,805, E. I. duPont de Nemours & Co., Wilmington.

Chemical Warfare Service

Aluminum Chloride:—$48,015.18, Niagara Chlorine Products Corp., Lockport.

Chemicals:—$21,440, Niagara Smelting Corp., Niagara Falls; $21,000, Crowley Tar Products Co., New York; $4,484, Mathieson Alkali Works, New York; $33,835, Innis, Speiden & Co., New York; $44,800, Dow Chemical Co., Midland; $2,000, Mathieson Alkali Works, New York; $1,026, Henry Bower Chemical Mfg. Co., Philadelphia.

Mercuric Chloride:—$50,848, Mallinckrodt Chemical Works, St. Louis.

Monochloroacetic Acid:—$51,240, Dow Chemical Company, Midland.

Oil, Fuel:—$8,050, M. Waller Corp., Baltimore.

Oil, Neatsfoot:—$34,596, Reilly-Whiteman-Walton Co., Conshohocken.

Potassium Perchlorate: — $13,203.14, Oldbury Electro-Chemical Co., Niagara Falls.

Parmanente to Double Magnesium Production

Parmanente Corporation has obtained a loan of $11,000,000 for expansion of its plant at Los Altos, Calif., to double its magnesium production capacity to 25,000 tons.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address "Fezan", N. Y.

ALBUMENS
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THE LARGEST MANUFACTURERS AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE.
H. GARTENBERG & CO., Inc.
412 W. PERSHING ROAD CHICAGO, ILLINOIS
Write for Samples and Quotations Cable Address: "GARTEGG"

MUTUAL BICHROMATES
BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
MUTUAL
NEW YORK, N.Y.
MUTUAL CHEMICAL COMPANY OF AMERICA
270 Madison Avenue, New York City

Current Market Quotations

Yara Yara—Zirconium

—Continued from page 27

Y

Yara yara, crgst., cns.....lb. 1.80 - 1.85
Yellow,[2] arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .20 Nom.
Cadmium, CP, import, bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .55 - —
smaller lots, same basis..lb. .60 - —
pkgs., ton lots, same basis, lb. .60 - —
smaller lots, same basis..lb. .65 - —
lb. .65 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow, CP prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Yellow, Dutch, pink, bbls....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06¼
yellow, bbls., works....lb. .02 - .02¼
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)...lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
cks., l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Yellow, ocher, French, all shades, cks., l.c.l., ex whse., Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .06¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y...lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis.....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .10 - .11
Yohimbine hydrochloride, vig..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc,[1,2,3] Metal (see paint market).
acetate, tech., bbls., dlvd...lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Zinc, arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12¼- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., dms., works.100 lbs. 6.50 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Cyanide, kgs., works.....lb. .33 - .37
Dust, bbls., c.l., dlvd.....lb. .1035- —
l.c.l., bbls., f.o.b. works...lb. .1135- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd.....lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd.....lb. .06½- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd.....lb. .06¾- —
35%, bgs., c.l., dlvd...lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
50%, bgs., c.l., dlvd...lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd..lb. .07 - —
green seal, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
bbls., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
red seal, bgs., c.l., dlvd. lb. .07¾- —
l.c.l., dlvd.....lb. .08 - —
bbls., c.l., dlvd.lb. .08 - —
l.c.l., dlvd.....lb. .08¼- —
white seal, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd.....lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 - —
Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ¼c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., ctns.lb. .30 - .31
USP, bbls.....lb. .30 - .31
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.40 - —
flake, bgs., c.l.....100 lbs. 3.80 - —
l.c.l. .....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 3.35 - —
100 lbs. 3.85 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd.....lb. .08½- —
barium, pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05½- —
calcium pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05½- —
magnesium pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac. Cst.
Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton. 75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the December 1 issue; the next printing will be in the January 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market which begins on page 45.

NO. 3 OF A SERIES
ZINC IN DEFENSE-
PAINT SERVES DEFENSE IN:
Aircraft
Camouflaging
Cantonments
Combat Cars
Guns
Industrial Plants
Marine Equipment
Pontoon Bridges
Scout Cars
Shells
Troop Carriers—
And In Many Other Ways
U. S. ARMY AIR CORPS PHOTO
THE ELEMENTS ARE ALSO DESTRUCTIVE!
The primary requirement of many defense items is the ability to withstand the destructive forces of war. But there are other forms of attack to be reckoned with as well—rust, chemical corrosion, and the destructive forces of the elements on land and sea. The answer to these problems is paint. Uncle Sam is faced with the biggest painting job in the history of the country—a job in which zinc pigments are playing a vital part.
No man can estimate the amount of zinc pigments needed to complete this job, but the final figure will be a staggering one. The camouflage painting, shown above, is only a small part of the story. Everything from shells to ships, from cannon to cantonments has already been covered by hundreds of exacting Government paint specifications—requiring quantities of zinc sulfide, zinc oxide, lithopone, zinc dust and zinc chromate.
Listed above are typical uses for paint coatings in defense. Zinc pigments are doing the same job in these defense paints as they have been doing in the paint industry year in and year out—protecting property and improving sanitation, too, when that is a factor. It is the increased demand for each of the zinc consuming products required in the Defense Program which is making it difficult for non-defense users to obtain all of the zinc they would like to use. This is part of the price that must be paid for national security.
PAINT
DIE CASTING
CERAMICS
BRASS
METAL SPRAYING
GALVANIZING
PHARMACEUTICALS
NICKEL SILVER
NO. 1 HULL PLATES
NO. 2 RUBBER
PAINT PROTECTS AMERICA
ZINC PROTECTS PAINT
THE NEW JERSEY ZINC COMPANY
MANUFACTURERS OF THE FAMOUS HORSE HEAD ZINC PRODUCTS

Paint, Varnish, Lacquer Materials

Defense Buying Remains Dominant Factor in Paint Materials —Extreme Scarcity for Civilian Consumption—December Zinc Pool Lower—Lead Pool Unchanged—Rosin Firm

Defense demands last week continued to dominate the market for paint raw materials. Developments during the week were narrow. Civilian users were still encountering difficulty in obtaining sufficient supplies. The dry colors situation was still clouded insofar as OPA action was concerned. Synthetic resins were still very scarce. Casein conditions were about unchanged. Demand for natural resins slowed down a bit. Offerings were not made too freely, as the market tightened a bit. Most types of synthetic resins were scarce.

The slab zinc pool requirement for December was announced at 2 percent lower than November, the downward turn indicating at least a temporary sufficiency in government stocks. The pig lead pool requirement is unchanged from November. Allocation of titaniums by government order will follow the lines set down by the industry in the past several months.

Rosin and turpentine were quieter in Southern and local markets, buyers being disposed to hold off for further developments. Turpentine had a downward trend at times, but changes were not important, while all grades of rosin continued to display firmness.

Metallic Lead and Zinc

Refiners of pig lead will be required to set aside 15 percent of their December production for allocation by the Director of Priorities, it was announced last week. This percentage is unchanged from November and is expected to amount to from 6,000 to 6,500 tons. Zinc producers must set aside 29 percent of their August production for the December pool. This is a reduction of 2 percent from the November requirement and will result in a supply available for allocation of 21,700 short tons. Demand for both lead and zinc remained heavy during the week. Strict allocation continued in zinc, with its use for non-defense products curtailed.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from November 29 to December 5, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	* .. .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wed'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from November 29 to December 5, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0865	$0.0825	* .. .. ..
Monday	.0865	.0825	.. .. ..
Tuesday	.0865	.0825	.. .. ..
Wednesday	.0865	.0825	.. .. ..
Thursday	.0865	.0825	.. .. ..
Friday	.0865	.0825	.. .. ..

* London exchange closed.

Price Changes

Advanced

Rosin, gum, 3c. to 7c. per 100 lbs.
Shellac, T.N., 3c. per lb.
superfine, 3c. per lb.
bonedry, 2c. per lb.
Shellac varnish, 10c. per gal.

Reduced

Turpentine, gum, 1½c. per gal.
S.D., 2c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
137.9	137.9	137.9	126.8

Market news that may have developed after this report was sent to press will be found on page 4.

Paint Exports

Exports of paint raw materials from the United States to South America and other non-axis countries during the first nine months of 1941 totaled 232,946,000 pounds, compared with 246,297,000 in the similar period of 1940, the Department of Commerce reported last week.

January-September, 1941, exports, compared with those for the similar period of 1940, are as follows:—ocher, umber, sienna, 6,898,000 pounds this year and 7,900,000 in 1940; other mineral earth pigments, 35,453,000 pounds, against 45,383,000; zinc oxide 10,808,000, against 5,059,000; lithopone, 33,907,000, against 19,391,000; carbon black, 112,735,000, compared with 145,065,000; red lead, 4,100,000, against 1,830,000; white lead, dry, 3,001,000, against 725,000; white lead in oil, 949,000, compared with 1,188,000; litharge, 4,006,000, against 2,474,000; titaniums, 11,899,000, against 7,183,000, and other chemical pigments, 9,190,000, against 10,099,000.

Pigments

Litharge.—Heavy demand. Offerings normal.

Lithopone.—Very tight. Sales allocated. Prices firm.

Red Lead.—Market active. Demand large. Quotations unaltered.

White Lead.—Movement satisfactory. Prices steady.

Titanium Pigments.—Orders allocated as before. Prices firm.

Zinc Oxides.—Demand running far

Paint, Varnish, Lacquer Sales: October

The value of paint, varnish, lacquer and fillers sold in October as reported by 680 establishments to the Bureau of Census, was $51,138,488. Details of sales reported by these establishments and comparative data for 1940 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments: Trade sales of paint, varnish, and lacquer.	Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 100 establishments.
1941.						
October	$51,138,488	$24,724,475	$21,453,628	$14,911,591	$6,542,037	$4,960,385
Total (10 mos.)	$472,322,695	$238,703,565	$189,473,790	$135,565,659	$53,908,140	$44,145,331
1940.						
October	39,179,174	19,638,441	15,953,121	10,759,348	5,193,773	3,587,612
Total (10 mos.)	$352,315,403	$186,519,982	$132,481,235	$92,998,393	$39,482,842	$33,314,186

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

ESTEROL "11" IS A NATURAL!

(AND NATURALLY A PARAMET RESIN)

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

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PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

TERTIARY BUTYL ALCOHOL

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NEW YORK CITY

MARINCO BRAND

Original Producers of
MAGNESIUM SALTS
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Uniformity of Melting Point, Penetration and Color Guaranteed

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FOR THE NATION'S INDUSTRIES

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NUBA* 465 Resin
PARADENE*

Neutral, waterproof, resistant to chemicals, and soluble in low priced solvents. Pale or dark colors in 5-160°C melting points.

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NEVILLAC*

For varnishes, lacquers, adhesives, etc. Soluble in drying oils, alcohols and hydrocarbon solvents. Compatible with nitrocellulose and lacquer gums.

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NEVILLITE*

White thermoplastic resins, tasteless, odorless, neutral. Melting points from 10-155°C, resistant to oxidation and yellowing, and widely compatible.

POLYTERPENE RESINS

NYPENE*
COPENE*

Excellent color and heat stability, neutral, non-saponifiable, exceptional tack-production in rubber. Resistant to water, alcohol, acid and alkali. Pale color, readily compatible with waxes, polybutenes, mineral oil, solvents, and resins.

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EASTMAN
Nitrocellulose Solutions

• Filtered solutions made from either film base or new nitrated cotton . . . available in a wide range of viscosities, in standard solvent combinations. Dependable and economical as the base for fabric coatings, lacquers, and artificial-leather dopes . . . for all applications in which pyroxylin solutions are essential.

Quotations will be furnished promptly upon request

EASTMAN KODAK COMPANY
Chemical Sales Division Rochester, N. Y.

ahead of available supply. Sales allocated. No December pool requirement ordered.

Fillers and Extenders

Barytes.—Movement large. Market somewhat tighter. Prices firm.

Blanc Fixe.—No new developments. Market firm and active.

Charcoal.—Good call. Prices steady.

China Clay.—Movement large. No change in quotations.

Talc.—Demand well maintained. Prices firm.

Whiting.—Demand fairly large. Prices unchanged.

Driers

Further tightening of materials in this division of the market was reported last week. Raw materials were becoming increasingly difficult to obtain and as a result the finished products were not offered too freely.

Lacquer Materials

Conditions underwent relatively little change in the market for lacquer materials and solvents last week. Prices were without change, and word was awaited concerning next year's contract schedules. Acetone continued in heavy demand. Supplies of butyl acetate and alcohol were limited. Defense requirements absorbed most of the dibutyl phthalate, while inquiries for tricresyl phosphate were in excess of available offerings.

Acetone.—Heavy demand. Supplies scarce. Prices firm at ceiling levels.

Butyl Acetate.—Inquiries exceed supplies, prices unchanged and firm.

Dibutyl Phthalate.—Defense needs continued to absorb greater part of output. Pricewise a firm tone predominated.

Ethyl Acetate.—Active inquiry; sellers under pressure to meet all demands. Prices lacked any change.

Tricresyl Phosphate.—Demand in excess of output, and business allocated. Prices held firm.

Dry Colors

Carbon Blacks.—Large movement. No changes in quotations.

Chrome Colors.—Limited offerings. Supplies short.

Iron Blues.—Shipments heavy. Tone stable.

Iron Oxides.—September imports of the natural amounted to 1,205,838 pounds, valued at $20,554, while those of the synthetic totaled 340,120 pounds, valued at $22,229.

Mercuric Oxides.—No new developments. Prices steady.

Ochers.—A total of 158,200 pounds of crude ocher, valued at $2,099 was imported from South Africa in September.

Shellac

Advances in the Calcutta market indicated the steady growth of strength at the source and compelled a rise in spot quotations on all kinds of shellac. Bonedry on spot is now 39c. to 40c. per pound; refined bonedry, 45c. to 46c.; superfine, 33c. to 34c.; T. N., 32c. to 33c. Shellac varnish prices became as follows:—Orange, 5-pound cut, $1.70 to $1.75 per gallon; 4½-pound cut, $1.65 to $1.70; 4-pound cut, $1.60 to $1.65; white, 5-pound cut, $1.85 to $1.90; 4½-pound cut, $1.80 to $1.85; 4-pound cut, $1.75 to $1.80.

Naval Stores

Quieter conditions prevailed in Southern and local markets last week. In the case of rosin, buyers were disposed in not a few cases to curtail purchases or hold aloof after the recent sharp advance in prices. Turpentine had a downward tendency at times, but changes were comparatively narrow and the naval stores situation in general still appeared to have a good undertone, especially as stocks continued to diminish. It was reported that the existing marketing agreement would terminate at the close of the current calendar year and that a new program would be announced to take effect January 1, but details were lacking. Meantime consumption of rosin in this country apparently continued on an expanding scale and with further large shipments abroad under lend-lease operations anticipated, the opinion was held in some quarters that the statistical position will continue to grow in strength until the new season gets under way next April. According to a report from Portugal, export business in naval stores in that country continues active despite the war in Europe, shipments during the first six months of 1941 having amounted to 7,479 metric tons of turpentine and 34,060 tons of rosin.

CCC Holdings

The following table shows the quantity of rosin and turpentine held by the CCC under loans to producers at the close of business November 30, 1941:—

Crop year.	Rosin.	Turpentine casks.
1938—bbls.	220,288	.....
drums	.....	.....
1939—bbls.	218,153	.....
drums	20	.....
1940—bbls.	80,287	790
drums	238,802	.....
1941—bbls.	.....	.....
drums	130,165	.....
Totals	887,715	790

Turpentine.—The local market was quieter last week in the absence of stimulating developments in the South, where the price tendency was downward at times, although changes were not very important.

Savannah, Dec. 5.—Following is a record of the turpentine market for the week:—

	Gallons—Cents.	Gallons—Sales.	Barrels—Receipts.	Barrels—Shipments.	Barrels—On hand.
Saturday*	...	...	...	...	...
Monday	67½	11,450	983	977	5,115
Tuesday	67½	10,400	304	...	5,419
Wednesday	66¾	5,200	150	5	5,564
Thursday	66	2,400	272	4	5,832
Friday	66½	5,650	223	320	5,735

* No trading.

Jacksonville, Dec. 3.—Turpentine stock, 5,755 barrels.

Pensacola, Nov. 29.—Turpentine stock, 7,728 barrels.

No. 8 MIXER

The best built mixer in the market. Made in two sizes.

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Para Reds Iron Blues
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Pigment Color Division GLENS FALLS, N. Y.

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COMBINES ALL THESE ADVANTAGES

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The PALE COLOR* of low-cost Piccolyte helps manufacturers in many fields reduce their costs. For paints, clear finishes and enamels; for coated papers, printing inks, rubber products, waxes, etc., production costs are less and quality improved when Piccolyte synthetic resins are used.

Additional advantages of Piccolyte are: non-yellowing; soluble in low-cost naphthas and in paint oils; low specific gravity (0.98); resists acids, alkalies, brine; goes into solution quickly; has good wetting qualities; is compatible with waxes, resins, paint oils, white mineral and other paraffin oils; is chemically inert. Available in melting points from 10° C. to 125° C.

Check these advantages yourself — send for generous free sample of PICCOLYTE to test in your own laboratory.

*A 50% solution in mineral spirits, approx. color 8 on Gardner 1933 scale.

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Alkali Resistance

SOLIGEN ZINC ★ originally used because it cuts down wrinkling due to Cobalt . . and for its wetting ability. **SOLIGEN ZINC** today is more valuable than ever, to harden soft-oil films and to retain alkali and water resistance lost when other zinc soaps are used.

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New York City	Atlanta, Ga.	Kansas City, Mo.	Los Angeles, Seattle

ADVANCE
SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE NEW YORK, N.Y.

Chicago—Dec. 5

Turpentine quiet. Five-drum lots, 82c. per gallon; five wood barrels, 87c.; single drums, 85c.; single barrels, 90c.

London, Dec. 5.—Turpentine, 68s. 6d. per cwt.

Rosin.—Business in the local market lacked snap last week, purchasing generally being limited to comparatively small lots for prompt shipment, with the movement of such quantities unimportant in the aggregate. The prevailing tone was firm.

Savannah, Dec. 5.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	... ...	$2.86	$2.86	$2.86	$2.92	$2.92
D	... ...	2.86	2.86	2.86	2.92	2.95
E	... ...	2.86	2.86	2.86	2.92	2.95
F	... ...	2.86	2.86	2.86	2.89	2.95
G	... ...	2.86	2.83	2.85	2.89	2.85
H	... ...	2.78	2.83	2.85	2.86	2.87
I	... ...	2.80	2.83	2.85	2.88	2.89
K	... ...	2.89	2.89	2.90	2.93	2.97
M	... ...	2.94	2.94	2.95	2.98	3.04
N	... ...	3.02	3.01	3.02	3.05	3.07
WG	... ...	3.21	3.22	3.25	3.25	3.27
WW	... ...	3.20	3.30	3.30	3.30	3.30
X	... ...	3.20	3.30	3.30	3.30	3.30
		Barrels				
Sales	... ...	588	692	732	430	215
Receipts	...	983	807	506	320	341
Shipments	...	977	285	3,081	...	3,060
Stocks	.. ...	...	...	...	...	53,580

* No trading.

Jacksonville, Dec. 3.—Rosin stock, 229,595 barrels.

Pensacola, Nov. 29.—Rosin stock, 15,713 barrels.

Chicago—Dec. 5

Rosin fairly active. B grade, $4.15 per 100 pounds net; G, $4.25; M, $4.30; W.W., $4.54.

London, Dec. 5.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pine Oil.—Spot oil scarce and firm; quotations nominal at around 95c. to $1 per gallon. First hand prices unchanged and nominal. Inquiry good.

Pitch.—Demand fairly active. Spot stocks small. Market firm.

Rosin Oil.—Firm with basic material. Trade fair.

Tar.—Demand continued good. Tone firm.

Synthetic Resins

Movement was narrow as far as non-defense orders were concerned. Civilian uses for these resins were overshadowed by defense needs. Demand remained very heavy.

Varnish Gums

Copals.—Trade a bit spotty. Prices firm. September imports were 3,646,297 pounds, valued at $137,984.

Dammars.—Fair demand. Offerings routine. Prices steady. Imports during September amounted to 2,534,281 pounds, valued at $158,994.

Glues and Binders

Casein.—Demand fair to good. Production of domestic low. Large quantities of Argentine material being sold far ahead. Prices about unchanged.

Glues.—Very scarce. Prices nominal.

Resale Market

The resale market for paint raw materials remained fairly active last week with volume of offerings and prices asked little changed from the previous period. As usual, transactions were mostly on a small scale, but in many products fairly large quantities were available. Offerings were at about the following levels:—Blanc fixe, 7c. per pound, f.a.s. New York; acetone, 15c. to 17c. per pound; butyl acetate, 22c. to 26c. per pound; butyl alcohol, 22c. to 26c. per pound; dibutyl phthalate, 50c. to 80c. per pound; ethyleneglycol, 30c. to 36c. per pound, and tricresyl phosphate, 70c. to $1 per pound.

Marine Paint Makers Given A-3 Rating

—Continued from page 3

Chemicals Section of the Priorities Division, on form PD-82, information as to his volume of production, inventory, and anticipated needs for the specified scarce materials covered by the order, by three-month periods.

When use of the preference rating by an individual producer has been approved by the Priorities Division, he may serve the order on his suppliers by endorsement on his purchase orders. The rating is extendable by these suppliers to other dealers in or producers of the specified raw materials.

P-65 will remain in effect until revoked. The effective date of the order is December 5, 1941.

N.Y. Production Club Hears Skett on Resins

Anthony Skett, research director for the American Gum Importers Association, was speaker at the regular meeting of the New York Paint and Varnish Production Club, held December 4 in the Building Trades Employers building, this city. He spoke on "Natural Resins in the Paint Industry."

Schaefer Varnish Company, Louisville, has increased the number of company directors to seven.

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Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Advance with Outside Markets —All Months Cross 13 Cents—Southern Crude Offerings Remain Light—Coconut Oil Firmer—Trade Quiet

No broadening of business was noticeable in the general market for oils, fats and greases last week. Cottonseed oil, lard and soybean futures displayed strength at times but many consumers of vegetable, animal and fish products were still disposed to limit their purchases to small lots to fill current needs, the movement of such quantities being unimportant in the aggregate. With offerings generally small, however, the prevailing tone was firm, and the price trend was upward. In a survey of the situation the Department of Commerce stated that the disappearance into the domestic market of seven and one-half billion pounds of fats and oils in the first nine months of this year was 17 percent larger than in the same time last year, adding that this rate of increase will probably not be maintained, as there was a rather heavy consumption in the final quarter of 1940, while in the current quarter the distributive trade will probably continue to liquidate forward purchases made earlier this year.

Vegetable Oils

Castor, Dehydrated.—Output continued to move steadily to local and other consumers. Market firm.

Chinawood.—Numerous inquiries reported. Offerings continued light.

Coconut.—Crude offerings light, spot and futures. Tone firm. Quotations nominal. Refined steady. Fair inquiry.

Corn.—Firmer with competing product. Nominal quotations ¼c. higher. Offerings scarce.

Oiticica.—Offerings light, spot and futures. Market firm.

Olive.—Trade quiet. Stocks small. Quotations nominal. Tone firm.

Peanut.—Offerings limited. Nominal quotations ¼c. higher.

Perilla.—Supplies light. Tone firm.

Soybean.—Buying interest stimulated by upturn in beans. Offerings light.

There was no trading in soybean oil futures on the New York Produce Exchange from November 29 to December 5, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	....	....	10.75 bid
December	....	....	10.75 bid

Price Changes

Advanced

Candelilla wax, 3c. per lb.
Coconut oil, crude, ⅛c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, crude, ⅝c. per lb.
Peanut oil, ¾c. per lb.

Reduced

Linseed oil fatty acid, ½c. per lb.
Soybean oil fatty acid, 1c. per lb.
Teaseed oil, 1c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
171.8	**171.4**	**171.8**	**100.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago—Dec. 5

Vegetable oils fairly active.

Coconut.—Refined, edible, 14c. to 14¼c. per pound, drums, car lots; 14½c. to 14¾c., less car lots.

Corn.—Refined, 14½c. to 15c., drums, car lots; 15c. to 15½c., less car lots.

Soybean.—Crude, December-forward, 10c. to 10¼c. per pound.

The market for soybeans on the Chicago Board of Trade was active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— Dec. 5.	Nov. 28.
Cash, No. 2	$1.67½	$1.59½	....	....
December	1.70	1.60½	$1.68¾	$1.59
May	1.73¾	1.64	1.72⅞	1.62⅞

San Francisco—Dec. 3

The vegetable oil market dull but steady. Offerings comparatively light. Demand moderate. Despite limited offerings supplies apparently sufficient.

Coconut.—Market steady. Sales for early positions reported made on basis of 7c. per pound in tankcars, f.o.b. Pacific Coast mills, and/or ports. Bookings for future deliveries quoted at 6¾c. to 6⅞c.

Copra market routine. Offerings limited by steamer space available. With buyers furnishing space, sellers trade on basis of 3.50c. per pound, c.i.f. Pacific Coast ports. With sellers' spase, basis is 4.10c. to 4.15c. per pound, c.i.f.

Chinawood.—Unchanged at 34¾c. per pound in tankcars, f.o.b. Pacific Coast ports.

Cottonseed, Crude.—Quoted at 11½c. per pound in tankcars, f.o.b. mills, northern California ports.

Babassu.—Nominal at 9⅜c. per pound in tankcars.

Oiticica.—Market steady; unchanged. Quoted at 21½c. per pound for solid and 22½c. per pound for liquid, in drums, f.o.b. San Francisco.

Palm, Crude.—Nominal at 7¼c. to 7½c. per pound in tankcars, f.o.b. San Francisco, with offerings light.

Castor, Crude.—Quoted at 12¼c. per pound in tankcars, f.o.b. Los Angeles.

Rapeseed.—Argentine rapeseed oil, denatured and refined, quoted at 10c. per pound in tankcars, November-January shipment, f.o.b. Pacific Coast ports.

Perilla.—Quoted at 24c. per pound in drums, f.o.b. San Francisco, for spot deliveries. Stocks light.

Walnut, Crude.—Nominal at 10¼c. per pound in tankcars.

Sesame, Crude.—Quoted at 13½c. per pound in tankcars, f.o.b. mills, San Francisco Bay area.

Linseed Oil

Flaxseed markets irregular. Linseed oil and meal steady.

Flaxseed.—Duluth, Dec. 5.—Flaxseed firm with soybeans. Trading quiet. Receipts about average for this period.

The week's closing flaxseed price range was as follows:—

	Cash.	Dec.
Saturday	$1.78¾	$1.81⅝
Monday	1.80½	1.83⅛
Tuesday	1.84	1.84
Wednesday	1.84	1.84
Thursday	1.82½	1.82½
Friday	1.82	1.82

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	165,310	88,968	516,945	522,385
Since Aug. 1	2,938,637	4,920,855	2,475,345	4,530,315

Minneapolis, Dec. 5.—Good quality flaxseed wanted. Only few cars received. Cargo of 175,000 bushels Canadian seed bought by local and interior crushers being unloaded in elevators; quality better than produced in domestic Northern states. Demand for seed flax unusually good for this period. Futures trading quiet.

The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.86¾	$1.81¾	$1.88½
Monday	1.89½	1.83½	1.89¾
Tuesday	1.90	1.84	1.88¾
Wednesday	1.90	1.84	1.89
Thursday	1.88½	1.82½	1.87½
Friday	1.88	1.82	1.88

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	117,600	97,600	51,800	39,200
Since Sept. 1	6,514,000	7,290,000	656,400	1,134,300

Winnipeg, Dec. 5.—The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.52	$1.51⅝	$1.56
Monday	1.52⅝	1.52⅝	1.56⅝
Tuesday	1.50	1.50⅝	1.55⅝
Wednesday	1.51¾	1.51¾	1.56
Thursday	1.51½	1.51½	1.55½
Friday	1.51¾	1.51¾	1.55⅝

Buenos Aires, Dec. 5.—Flaxseed, no quotations. Exports this week, 1,346,000 bushels, of which 1,303,000 bushels went to the United States. Total since January 1 as follows:—

To—	Bushels— This year.	Last year.
United States	21,184,000	11,940,000
United Kingdom	2,455,000	6,065,000
Continent	977,000	11,856,000
Orders	.....	606,000
Others	1,450,000	1,198,000
Totals	26,066,000	31,665,000

Visible Supply

	Bushels
Last week	26,181,000
Previous week	26,378,000
Last year	3,543,000

Hull, Dec. 5.—Flaxseed, La Plata, £13⅞ per long ton; Calcutta, £20¾.

Linseed Oil.—The local market for linseed oil retained a steady tone, quotations generally being maintained

Lard

Prices for lard have moved within unusually narrow limits in recent weeks. At times last week the trend was upward and sentiment in trade circles regarding the outlook for this commodity appeared to be much more bullish than was the case a while back. This change is apparently attributable mainly to the steadily growing strength of the statistical position as a result of heavy purchases by the government for lend-lease operations and for domestic relief distribution. Stocks in the leading markets of the country are rapidly shrinking and the opinion exists in some quarters that there is in the making what is commonly termed, a tight situation.

According to official statistics exports of lard during the third quarter of the current year were 145,000,000 pounds, or about 97,000,000 pounds more than in the corresponding period last year. Exports during the past two months have been heavy and the indications seem to point to a steady outward movement of large proportions during the coming year, as it is expected that more than 600,000,000 pounds will be shipped to Britain alone under the lend-lease program. In 1940 total lard exports were only about 200,000,000 pounds but the heavy present and prospective exports are rapidly absorbing a production equal in volume to former years when exports of 600,000,000 to 800,000,000 pounds took half the annual output.

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

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at previous levels. Argentine prices and offerings were still lacking and there was not sufficient change in domestic seed to stimulate interest on the part of oil consumers. The movement from local mills on contracts apparently held up well but new business was slow, consumers and dealers still being disposed in many cases to await developments in the Argentine situation as well as in domestic markets for other commodities.

Minneapolis, Dec. 5.—Linseed oil more active. Shipping instructions on files gradually being reduced. Tankcars 9.3c. per pound; cooperage, cars, 10.2c.; warehouse lots, 10.6c.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	2,950,000	3,000,000
Since Sept. 1	61,500,000	49,600,000

San Francisco, Dec. 3.—Substantial contracts featuring tankcar lots linseed oil consummated. Delivery as far ahead as next June. Market no firmer. Oil still on the basis of 8.7c. and 8.8c. against the open card quotation of 9.1c. Deliveries against old contracts good. Quoted:—Tankcars, 9.1c. per pound; drum car lots, ex mill, 10c.; drum lots, ex warehouse, 10.4c.

London, Dec. 5.—Linseed oil, 41s. 6d. per cwt.

Cake and Meal.—The local market was steady. Trade quiet.

Minneapolis, Dec. 5.—Linseed meal trade better owing to continued light soybean meal production. Quoted $36 to $36.50 per ton, car lots in bags.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	10,480,000	9,080,000
Since Sept. 1	130,010,000	97,521,000

Cottonseed Oil

Refined oil futures had an upward trend. Crude firmer in Southern markets.

Cottonseed Oil.—Trading in refined oil futures continued on a comparatively small scale but prevailing sentiment was more bullish and the price trend was mainly upward. All months rose well above 13 cents on buying by trade interests, commission houses, local operators and shorts. This buying was based mainly on strength in the markets for lard, soybeans and other speculative commodities, but sentiment was also influenced by the continued scarcity of crude cottonseed oil offerings in all parts of the South where the price trend was also upward. Offerings of speculative contracts in the local market were noticeably light much of the time although there was more or less liquidation on the advance. Sixteen tenders were reported on December contracts on Wednesday, the first deliveries noted for the month. The open interest in the market on December 3 was 1990 contracts. Crude cottonseed oil was ⅜c. to ½c. higher and the advance in prices failed to find reflection in any material increase in offerings. Crude coconut oil was stronger on the Japanese situation. Sales of corn and peanut oils were reported at higher prices.

The government announced the purchase of 8,859,200 pounds of lard during the week ended November 29 and further large takings were anticipated for lease-lend purposes as well as for relief distribution in this country. Stocks of lard in Chicago decreased 11,114,000 pounds during November as compared with an increase of 4,204,000 pounds in November last year. Stocks in that market at the close of November were down to 119,000,000 pounds, or 46,000,000 pounds less than a year ago.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from November 29 to December 5, inclusive, comprised 825 contracts. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	13.18	12.83	13.09@13.15
March	13.22	12.79	13.10@13.12
May	13.24	12.78	13.11@13.12
September	13.24	12.83	13.12 sale
December	13.21	12.79	13.10@13.20

Crude, Southeast, 11¾c.

Chicago, Dec. 5.—Cottonseed oil quiet. Refined, edible, 15¼c. to 15½c. per pound, drums, car lots; 15¾c. to 16c., less car lots.

Hull, Dec. 5.—Cottonseed oil, refined, 36s. 6d. per cwt; crude, Egyptian, 31s. 1½d.

Cake and Meal.—An increase was noted in the inquiry for meal, with offerings light and the tone steady or firm.

Markets at Other Centers

Memphis—Dec. 5

Crude cottonseed oil quiet. Last sales 11¾c. per pound, Valley basis. Meal, 41 percent, $36.50 per ton, Memphis basis. Bulk cake, $33 per ton, Mississippi mill points. Bulk hulls, $5 per ton, mill points. Seed, $50 per ton, carlots. Many mills closed down this section, awaiting improved markets. Cotton crop about all gathered. Closing cottonseed and soybean meal quotations on Memphis exchange as follows:—

	Nov. 26.	Dec. 4.
December	$35.50@35.75	$36.00@—
January	36.00@36.50	36.50@36.75
March	36.75@37.10	37.75@—
May	36.85@37.25	37.75@38.00
July	37.00@37.50	37.75@38.50

Closing soybean meal futures:—

December	$32.75@33.50	$35.25@—
January	33.10@33.65	35.30@35.70
March	33.10@33.50	35.30@—
May	33.10@33.50	35.35@—
July	33.00@33.50	35.40@35.50

Atlanta—Dec. 3

Cottonseed products quiet. Prime crude oil 11¾c. to 12c. per pound. Meal, 8 percent, $38 per ton.

Fatty Acids

Capric Acid.—Demand quieter. Quotations maintained. Tone steady.

Coconut Oil.—Quiet but firm. Raw material in light supply.

Palm Oil.—Quotations reduced 1c. Trade quiet.

Red Oil.—Consumption reported holding up well. Market firm.

Stearic Acid.—Steady movement on contracts. New business fairly active.

Chicago—Dec. 5

Fatty acids fairly active. Corn oil, double distilled, 14¼c. to 14½c. per pound, tankcar; coconut oil, acidulated, 16c. to 16¼c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 3½c. to 3¾c.; boiled down cottonseed soap stock, 65 percent basis, 4½c. to 4¾c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c.

Fish Oils

Cod.—Primary offerings continued light. Fair inquiry here. Market steady.

Menhaden.—Refined oil quiet and steady. Chesapeake Bay fishing ended; North Carolina drawing to close after fair season.

Sardine.—Light pressed oil generally quoted 10c. per pound, tankcars. Local stocks light. Fair small-lot inquiry.

Markets at Other Centers

Baltimore—Dec. 3

Five tanks crude menhaden oil sold in North Carolina at 57c. per gallon; later 62c. to 63c. asked. Market quiet here. Refined oil trade fair; light pressed, 73c. per gallon, tanks.

San Francisco—Dec. 3

Sardine oil dull, steady. Sellers contracted up to the hilt. Are marking time with their postings of 60c. per gallon. Comparatively few buyers show interest. Sales could probably have been effected had sellers accepted a cent less than their postings. Fishing in northern, central and southern districts only moderate. Total of 33,055 tons turned in. Southern California district made poorest showing, accounting for 4,381 tons. Production in first four months this season about equalled the entire seasonal production of 1,550 tankcars of last season. Season little more than half over. Trade expects possibly 2,500 tankcars.

Fats and Greases

Grease.—Quotations generally maintained. Spot stocks light or moderate. Fair demand.

Lard.—Cash trade fair. Government purchased 8,859,200 pounds during week ended Nov. 29.

Chicago, Dec. 5.—Following is a lard price record, per 100 pounds, for the week:—

			Closing	
	High.	Low.	Dec. 5.	Nov. 28.
Cash	$10.02	$9.90	$10.02	$9.97
December	10.00	9.80	9.95	9.92
May	11.90	11.67	11.75	11.70

Stearin.—Fair spot demand. Market steady.

Tallow.—Offerings generally light or moderate. Inquiry fairly active. Market steady.

Animal Oils

Degras.—Common and neutral firm. Supplies small or moderate. Demand fairly active.

Lard.—Purchasing generally conservative. Market steady.

Neatsfoot.—Inquiry good. Supplies generally light. Tone firm.

Oleo.—Fairly active and steady. Government purchased 890,250 pounds during week ended Nov. 29.

Chicago, Dec. 5.—Extra oleo oil 12c. to 12¼c. per pound.

Tallow.—Quotations steady. Trading quiet.

Naval Stores Output Dropped in April.-Sept.

Production of gum and wood turpentine in the United States in the period April 1 to September 30, 1941, amounted to 307,173 barrels of 50 gallons each, compared with 350,192 barrels in the same period last year. Production of gum and wood rosin totaled 967,214 barrels, against 1,296,119 barrels of 500 pounds gross in the corresponding period last year.

The official report was prepared jointly by the Bureau of Chemistry and Soils, Department of Agriculture, and the Bureau of Foreign and Domestic Commerce. C. F. Speh represented the Bureau of Chemistry and Soils in this work. J. E. Lockwood, of Savannah, again assisted in the correction and compilation of the statistics for the report.

Supply and Distribution

	Turpentine. Apr.-Sept., 1941. Barrels of 50 gals.	Rosin. Apr.-Sept., 1941. Barrels of pounds gross.
Carryover April 1	209,910	1,874,160
Production	307,173	967,214
Imports	.....	.....
Available supply	517,083	2,841,374
Less carryover Sept. 30	170,027	1,784,828
Apparent total consumption	347,056	1,056,546
Less exports	.....	.....

Productions and Imports

	Turpentine.	Rosin.
Gum	194,915	662,417
Wood	112,258	304,797
Imports	.....	.....

Carryover Stocks

	Turpentine.	Rosin.
Carryover April 1	209,910	1,874,160
Carryover September 30	170,027	1,784,828
Stock decrease	39,883	89,332

Location of Carryover Stocks

	Turpentine.	Rosin.
Gum stills	14,363	87,330
Southern ports and interior yards	71,489	1,237,686
Wood plants	14,919	43,591
Distributing points	48,279	23,825
Industrial plants	20,977	392,396
Total in U.S.	170,027	1,784,828

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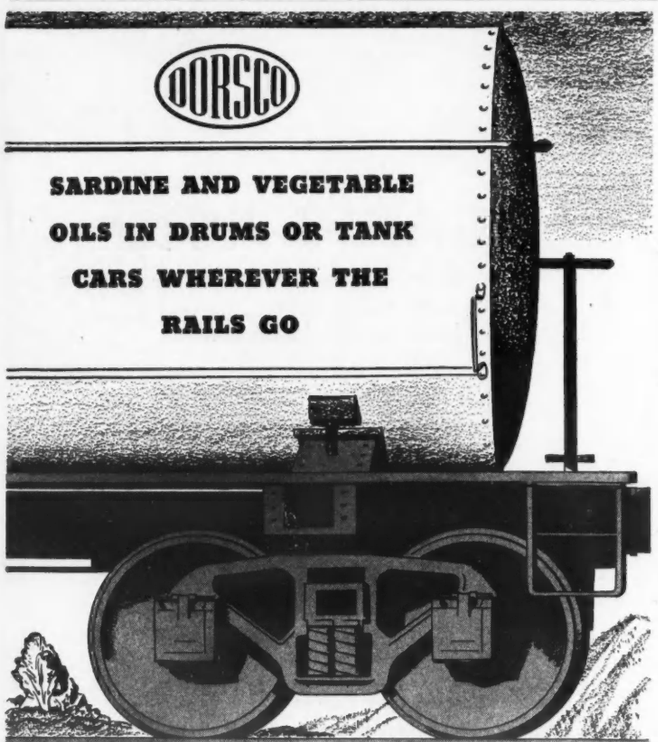

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Waxes

Bees.—Strong. Not too plentiful. Primary markets make only limited offerings of crude. Refined and bleached wax on spot doing well at firm prices.

Candelilla.—Higher at 33c. to 35c. per pound. Output in Mexico limited. Much of next year's potential production reported sold.

Carnauba.—Heavy buying puts Brazilian market higher. Generally strong situation. Tendency noted to accept former Brazilian reports of fifty percent of the crop having been sold. Less price shading on the spot. Some consider values virtually nominal.

Japan.—Little doing. Speculators still hold for rise. Not a great deal here. Market 31c. to 32c. per pound.

Resale Markets

Resale transactions were few and far between last week. Supplies among second hands had apparently been materially reduced or liquidated and political developments and an upturn in the markets for lard, cottonseed oil and soybean futures made holders of the limited supplies disposed to offer very sparingly. Some business was said to have been closed in a small way in crude coconut oil here at 7¾c. to 7⅞c. per pound, as compared with the nominal price of 7⅝c. quoted by regular sources of supply. Reports were current of second-hand sales of crude soybean oil in the West early in the week at around 10c. per pound but offerings were withdrawn when soybeans moved upward.

Washington Talks It Over

—*Continued from page* 5

Oils for Oil

A sort of CIO art project is envisioned in the announcement that the Oil Workers International Union is offering cash prizes and royalties to members of the United Office and Professional Workers for posters "which best capture the spirit of the oil workers' organization efforts."

The announcement speaks of forging a link between art and labor, participation by artists in advancing the labor movement, and the inspiring art theme of the upward struggle of labor.

Maybe the oil workers will reciprocate by serving as models for the artists!

Quinine and Substitutes

Quinine is a strategic, imported, military item, but the War Department is not much worried about this in spite of the fact that 90 percent or more of it comes across the Pacific from a zone of potential trouble. The reason is that with the cooperation of the Netherlands East Indies government the U. S. has imported huge stocks and stored it away in vaults for safekeeping. The exact amount of the stockpile is something of a military secret, but the figure 10,000,000 ounces is said to be not far wrong. In addition, the army is satisfactorily using considerable quantities of domestically produced synthetic antimalaria drugs, and it is understood that the British are getting some of these synthetics as lend-lease shipments.

Newsprint Squabble

Pretty soon shortages of woodpulp and papermakers' chemicals may require a limitation on the use of newsprint, and then the daily papers are going to make a desperate effort to sock their hated rivals, the "Shoppers News" free circulation sheets. The plan is to tell OPM that a free press must be maintained at all cost but that the "throw-aways" serve no socially useful need and can well be shut off from scarce supplies.

This is just a sample of the inter-industry fights that are looming up as limitation and allocation orders get more numerous.

Export Prices Ceiled

Notwithstanding impressions to the contrary prevailing in some quarters, all price ceilings issued by OPA apply to export sales in the absence of special provisions or exemptions. Special packing, insurance, delivery charges and other special costs involved in exporting may be added, but not in a manner to evade the basic ceilings.

OPA schedules also apply to sales to the Government for defense and lend-lease—it being one of the chief objectives of price-control to prevent government purchasing agents from bidding up the market or getting held up for excessive prices.

Christmas Spirit—and Then

The spirit of Christmas is motivating the administration in refraining from a number of planned crackdowns on civilian industry. OPM, OPA, and the rest of them are letting consumers and retailers have their last big binge, but after that—no more.

Come January 1, and along with the morning-after headache will be a series of orders curtailing credit, prices, and production of civilian goods. People will then start thinking about debt and taxes, and the cumulative effect of previous restrictions will be felt, and the defense boom will be about over.

Happy New Year!

Is FDA to Move?

The Food and Drug Administration and the Public Health Service have been reached in the systematic survey of all Federal agencies being made by the house committee on public buildings with the view of moving some of them out of Washington during the defense emergency. A relatively small number of government employees have been moved to other cities to make office space and residential accommodations available for defense workers, but most of them are fighting removal suggestions tooth and nail.

The fact that FDA and PHS have been asked about moving does not necessarily mean that they will be sent out of Washington. Both agencies pointed out that they have elaborate laboratory equipment, including facilities for making biological tests with various kinds of animals, and that serious expense and delay would be involved in building and equipping suitable laboratory facilities elsewhere.

FDA made no claim to being a defense agency, something almost unique among Federal units these days, but pointed out that its staff is already well decentralized and that the headquarters staff must be kept together as a unit because it is composed of specialists upon whose findings administrative determinations are based.

Defense Shake-Up

There is much truth in rumors of a rift between SPAB and OPM, and of general administration dissatisfaction with the defense program. No drastic shake-up is anticipated, because the administration usually arranges things so that when heads fall they land in face-saving positions. But there is still too much divided responsibility, too much diversity of objectives, too much autonomy in the various units.

Probably on the way is a quiet reorganization to make SPAB actually the boss of OPM, OPA, Economic Defense Board, and the rest of the defense agencies.

N. J. Oil Trades to Elect Officers December 11

The Oil Trades Association of New Jersey will hold its annual banquet and election of officers and directors December 11 at the Robert Treat hotel, Newark. Auguste L. Saltzman, of the Standard Oil Company of New Jersey, has been nominated for president of the association, and Joseph H. Gunn for secretary.

Proprietary Group Discusses Shortages

—*Continued from page* 5

standards to permit substitutions or eliminations where specific drugs are unobtainable.

Warning that there were many important considerations to be studied before any attempt can be made to use alternate materials, Louis M. Roeg, of Merck & Company, Inc., Rahway, N. J., mentioned several products which may be suitable for use as alternates.

Heavy calcium carbonate could be changed with U.S.P. zinc oxide, Mr. Roeg said. Dermatologists frequently have used magnesium carbonate, calcium carbonate and even talcum powder to replace zinc oxide in dry powders, he added. Milk sugar, he said, could be replaced with U.S.P. dextrose in the manufacture of tablets, and with CP anhydrous dextrose in medicinal powders or hard capsules. Other possible alternate materials mentioned by Mr. Roeg were:—Saturated U.S.P. dextrose for glycerin; chlorthymol for phenol, cresol and formaldehyde; citric acid for tartaric acid, and tribasic calcium phosphate for magnesium carbonate.

MENHADEN OIL
Light Cold Pressed
Alkali Refined
Kettle Bodied
Dark Pressed
Commercial Grades
Fish Oil Stearine
THE MENHADEN FISH PRODUCTS COMPANY
108 East York St., Baltimore, Md.

DISTILLED
FATTY ACIDS
Tallow Fatty Acids
Cocoanut Fatty Acids
Cottonseed Fatty Acids
HYDROGENATED FATTY ACIDS
(Rufat 52)
STEARIC ACID
RED OIL
(Oleic Acid)
WILSON & CO. INC
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Rheem
REGISTERED TRADE MARK
STEEL SHIPPING DRUMS
RHEEM MANUFACTURING CO.
Newark, N. J. Chicago, Ill.
Houston, Texas New Orleans, La.
Richmond, Calif. Los Angeles, Calif.
Sparrows Point, Md.
Sydney, Australia

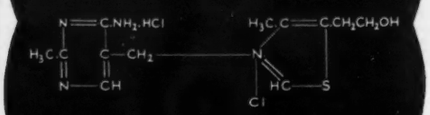
SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E-12 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

JAPAN WAX
Spot Stocks
• • •
PAUL A. DUNKEL & CO., Inc.
82 Wall Street HAnover 2-3750 New York, N.Y.
Representatives: CHICAGO: J. H. DELAMAR & SON, 160 E. Illinois Street
NEW ENGLAND: P. A. HOUGHTON, INC., Boston, Mass.
PHILADELPHIA: R. PELTZ & CO., 36 Kenilworth Street

DARLING'S PEARL-STEARIC
A FREE-FLOWING STEARIC ACID IN BEAD FORM
•
Measures, Weighs, Mixes and Melts Quickly
Also
Slab Stearic Acid
Oleic Acid
Red Oil
Fatty Acids
Glycerine
Pitch—and
Special Fatty Acids for Rubber Compounding
DARLING & COMPANY Manufacturers
4203 South Ashland Avenue • Chicago

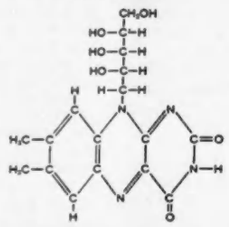
MERCK PURE VITAMINS

THIAMINE HYDROCHLORIDE MERCK (U. S. P.)



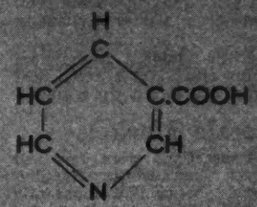
Synthesized in the Merck Research Laboratories in 1936. Made available in 1937.

RIBOFLAVIN MERCK



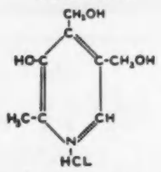
Made available in 1938.

NICOTINIC ACID MERCK (U. S. P.)



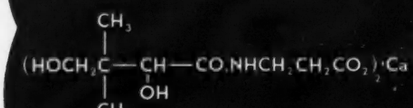
Made available in 1938. Nicotinic Acid Amide Merck was also made available in that year.

VITAMIN B_6 HYDROCHLORIDE MERCK



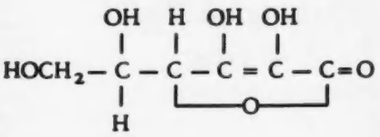
Synthesized in the Merck Research Laboratories in 1939. Made available in 1940.

CALCIUM PANTOTHENATE DEXTROROTATORY MERCK



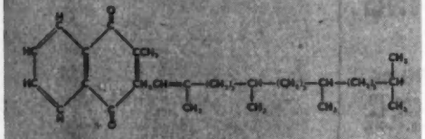
Identified and synthesized by Merck chemists and their collaborators in other laboratories in 1940. Made available during the same year.

ASCORBIC ACID MERCK (U. S. P.)



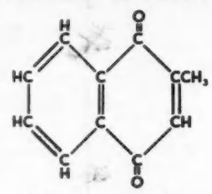
Made available in 1934.

2-METHYL-3-PHYTYL-1, 4-NAPHTHOQUINONE MERCK (Vitamin K_1)



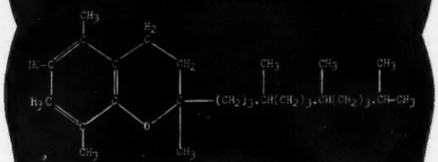
Made available in 1940.

2-METHYL-1, 4-NAPHTHOQUINONE MERCK (Vitamin K Active)



Made available in 1940.

ALPHA-TOCOPHEROL MERCK (Vitamin E)



Made available in 1940.

DESIRABLE vitamin combinations can be easily formulated through the use of Merck Pure Vitamins. By using these pure chemicals of known and uniform potency, the proportions of the individual vitamins can be readily adjusted to meet the pharmaceutical manufacturer's specific requirements. It is only through the use of these pure vitamins that the high dosages indicated in severe deficiency states can be provided.

The identity of pure vitamins produced by chemical synthesis and pure vitamins derived from natural sources—in chemical composition, physiologic function, and physical characteristics—is definitely and authoritatively established.

Our scientific staff and laboratories are prepared to serve you.

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.
NEW YORK • PHILADELPHIA • ST. LOUIS • *In Canada:* MERCK & Co. Ltd., Montreal and Toronto

MERCK

MERCK

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

★ *1818* ★

Drugs, Fine Chemicals

Quicksilver Advance Extended as Stocks Remain Low—Castor Bean Decline Extended in Brazil—Minor Strychnine Salts Hold Unchanged—Cocoa Butter Up

Shortages in many drugs and fine chemicals continued to be one of the problems engaging the attention of practically all regular sources of supply, and throughout the past week pressing demand emphasized the absence of reserves sufficient to give all buyers the goods they seek.

Pricewise the period developed higher levels on quicksilver and cocoa butter, and lower quotations on castor beans continued the downward trend recently featuring price movements in Brazil. Oil lacked change on spot.

A revision of sales specifications came on silver nitrate and cyanide following the rise in quotations covering silver bullion sold for industrial purposes. No change was made in the schedules on silver nucleinate and proteinate.

Quicksilver was a scarce article on spot. Consumption, plus a probable decrease in Pacific Coast production once bad weather sets in there, are expected to prevent restoration of local reserves. Mercurials naturally reflected added strength.

No change came through on the minor strychnine sales following the rise in prices on alkaloid and sulphate late in the previous period. All derivatives of nux vomica were very firm.

Minor alkaloids continued strong and available in moderate quantities at prices that have soared high over the levels prevailing when Europe supplies practically everything available here.

Price Changes

Advanced

Cocoa butter, 2c. per lb.
Quicksilver, $2 per flask.
Silver bullion, ⅝c. per oz.

Reduced

Castor beans, $2 per long ton.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
226.7	226.3	226.3	203.3

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Boric.—Prices for first semester, 1942, still in making.

Acid, Citric.—Demand very good. Larger users in market steadily for substantial quantities.

Acid, Gallic.—Very firm at recent advance. Demand maintained well.

Acid, Pyrogallic.—Recent advance consolidated. Consumption needs press actively.

Acid, Tannic.—Firm to strong at late rise. No surplus supply. Demand excellent.

Acid, Tartaric.—Supplies still short. Little chance to increase same. Demand active. Raw material steadier.

Agar.—Higher at $3 to $3.25 per pound for No. 1. No free offerings. Some quote prices high to stop demand. Interest rising in potential California production. Nothing forthcoming from Japan. Stocks at low ebb.

Alcohol.—Division of Priorities, Office of Production Management, on November 29 announced its extention for an indefinite period priority control over ethyl alcohol and related compounds. Previous General Preference order, M-30, expired November 30. Strong, active market. Raw material tendency still upward. Needs exceed output.

Ammonia Citrate.—Selling well Prices firm and apparently stable.

Ammonia Hypophosphite.—No surplus of supply. Demand excellent. Prices very firm.

Amyl Acetate.—Demand running ahead of supply ex fusel oil. Expentant item also in excellent request. Prices firm and well held.

Antipyrene.—Firm. No surplus stocks. Needs somewhat above normal.

Argols.—Prices hold. Apparently firmer in Spain. Difficulty regarding payments continue. Argentina offering.

Bismuth Metal and Salts.—Active and apparently firm. Volume fully normal.

Borax.—Consumers awaiting 1942 contract prices. Situation suggestive of strong situation. Demand excellent and without recession.

Brucine.—Scarce. Strong. Production costs tend upward.

Butyl Alcohol.—Demand pressed strongly for increase in prompt delivery merchandise. Consuming needs engage production.

Cadmium.—High volume demand accounts for all available production. Price stability continues.

Caffeine.—No let down in consuming request. Production would have to expand substantially to supply all material sought. Leading producers do excellent job in holding market stable.

Castor Oil.—Beans sold at $75.50 per long ton. Is further decline. Oil prices hold steady.

Chicago, Dec. 3.—Demand for castor oil active. Inquiries showing more intensity. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 13¼c. per pound; drums, less than car lots, 14c.; tanks, 12¾c.; No. 3, extracted, returnable drums, car lots, 13c.; drums, less than car lots, 13¾c.; tanks, 12⅛c.

Creosote.—Rising demand finds stocks limited. Prices strong. Little available for prompt delivery on new orders.

Fish Liver Oils.—Few local quotations. Market considered nominal. Strong situation in all supplying markets.

San Francisco, Dec. 3.—Weather conditions hampering progress of shark and dogfish catches. Market comparatively quiet. Buyers more conservative. Seem not too anxious to push quotations up further. Prices subject to daily change. Not generally quoted. However, today's best estimate names following nominal quotations:—10,000 unit A quoted at 12c.

Resorcinol

The First World War raised Sam Hill with prices on U.S.P. resorcinol. What brought 80c. per pound in August, 1914, was worth every penny of the $35 per pound paid almost eagerly in October, 1916.

When the United States joined the fray in 1917, resorcinol U.S.P. fetched $20 readily and values did not drop substantially until domestic manufacture supplied that which Germany could no longer ship. The market became $9.50 in early 1918 and was $7.75 when American troops garrisoned the bridgeheads on the German side of the Rhine.

The Second World War found a strong, well established and equipped domestic industry able to supply reasonable requirements at fair prices. The price rise has been but 30c. since September, 1939, when $1.50 per pound was the market. Today it is $1.80.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9

AGAR AGAR
(JAP GELATIN)
ALL GRADES
CONSUMERS IMPORT CO., INC.
342 Madison Avenue :: New York
Phone: VAnderbilt 6-5722-3-4
Cable address: PUREFOOD NEW YORK—All codes

ANALYZED REAGENTS Baker's FINE CHEMICALS
Baker's
BISMUTH SUBNITRATE
Wherever purity and uniformity are essential, Baker's Bismuth Subnitrate, U.S.P., has a loyal following. Made from C. P. Nitric Acid and the purest Bismuth metal, Baker's rigid control system assures a product that is uniformly light, fluffy, smooth and of great bulk.
Baker's Bismuth Subnitrate is unusually low in alkali salts and its purity with respect to arsenic, lead, copper and heavy metals is exceptional—qualities so appreciated by hospitals and the cosmetic industry. Samples of Bismuth Subnitrate and other Bismuth Salts will be gladly forwarded upon request.
FINE CHEMICALS for PHARMACEUTICAL MANUFACTURERS
J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, NEW JERSEY
NEW YORK 420 Lexington Ave. PHILADELPHIA 220 South 16th Street CHICAGO 435 N Michigan Ave.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
220 East 42nd Street, New York City

MENTHOL • CAMPHOR
JAPAN WAX
H. H. ROSENTHAL CO., Inc.
25 East 26th Street, New York City
Cable Address "Rodrug" All Codes

LEGHORN TRADING CO., Inc.
21 West Street Telephone WHitehall 3-9636-7-8 New York City
TARTARIC ACID
CREAM OF TARTAR
PURE IMPORTED EDIBLE OLIVE OILS
OLIVE OIL FOOTS
RED OIL
RAPESEED OIL
TEASEED OIL
PALM OIL
SESAME SEED OIL
Specialists in Finest California Edible Olive Oil

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
POWDERED-GRANULAR
IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

ALKALOIDS
GLUCOSIDES — DRUG EXTRACTIVES
ACONITINE
ARECOLINE
ASPIDOSPERMINE
ATROPINE
BERBERINE
CHRYSAROBIN
COLCHICINE
DIGITALIN
EPHEDRINE
ESERINE
HOMATROPINE
HYDRASTINE
HYOSCINE
HYOSCYAMINE
LOBELINE
PICROTOXIN
PILOCARPINE
SANGUINARINE
SPARTEINE
STROPHANTHIN
YOHIMBINE
AS IN WORLD WAR I
NOW IN WORLD WAR II
OUR laboratories are answering the challenge of keeping pace with the unprecedented demand for alkaloids, glucosides, and allied drug extractives for domestic consumption and for export to the other countries of the Western Hemisphere.
Our alkaloidal chemists and botanical staff are cooperating with you to the utmost in coping with the present emergency in regard to our supplying this vital group of drug products. The service that we are rendering is backed by twenty-four years of continuous production of alkaloids, World War I experience, comprehensive research endeavors, and extensive manufacturing facilities.
INLAND ALKALOID COMPANY
Manufacturing Chemists
TIPTON, INDIANA, U.S.A.

to 13c. per million units; 40,000 units at 22c. to 23c.; 100,000 units at $32½c.

Glycerin.—Well stabilized. Ceiling prices govern on most sales. Occasional sales over ceiling prices reported. Only by certain operators. Such business expected to attract OPA attention. Demand excellent. No surplus supplies.

Chicago, Dec. 3.—Glycerin steady. Demand good. Offerings moderate. Prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Magnesia.—Active. Prices apparently stable. Buyers' needs rise considerably. No price shading reported.

Menthol.—Attention centered on negotiations between U. S., and Japan. Outlook dark for successful solution of differences. Danger of war grows. Stocks of natural dwindling slowly. War would likely stop all imports.

Mercurials.—Higher prices on raw material. Stronger position on all derived products. Demand excellent. Specially for red oxide.

Methanol.—Thriving demand finds market supplied with no surplus stock. Needs almost certain to grow.

Potash Bromide.—Demand at high levels. Little surplus material available. Ready market for every pound produced.

Quicksilver.—Higher at $202 per flask. Little metal available on spot. Production likely to drop as bad weather sets in on Pacific Coast. Demand taking up all metal mined.

San Francisco, Dec. 3.—Activity in quicksilver slight. Practically no spot stocks in sight. Deliveries from mines assigned to previous contracts. Inquiry fair. Futures quoted at $195 per flask.

Quinine.—Values very firm. Demand active. Tends to expand. Reserves believed adequate.

Santonin.—Strong at $185 to $200 per kilo. Only limited quantities available. Conditions suggest further advance.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 250 ounces; quantities of 500 ounces at ¼c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London Pence.
Saturday	26⅞	35⅛	23½
Monday	26⅞	35⅛	23½
Tuesday	26⅞	35⅛	23½
Wednesday	26⅞	35⅛	23½
Thursday	26⅞	35⅛	23½
Friday	26⅞	35⅛	23½

Resale Markets

Slightly lower prices on resale citric acid and cream of tartar, plus higher

—*Continued on page* 56

Mifflin Alcohol Tax Upheld by Appeals Court

—*Continued from page* 5

sponsibility. In the instant case the question is not that of punishment or penalty, but simply that of the payment of a tax because the conditions on which nonliability was conditioned have not been complied with. One need not talk about actual knowledge by Mifflin or a presumption that the employer knows everything that the employee knows. It has been conceded that these employees were violating instructions and that they concealed from their superiors in the Mifflin organization the knowledge of their activities in promoting illegal diversion of the alcohol. That does not, on principles of agency, ipso facto relieve the employer of liability. Responsibility of an employer for things his agent does is not imposed on the basis of knowledge in fact, but under the general rule of respondent superior. No reliance need be made on any fictional attributing of knowledge to Mifflin. The employers are responsible for the knowledge of the facts had by their agents in doing the very business for which they were employed. The learned trial judge correctly concluded that the tax was due and payable.

Dr. Herwick Made Head Of Drug Div. of F.D.A.

—*Continued from page* 5

tering the Federal service in 1938, Dr. Herwick had served as State toxicologist of Wisconsin, had three years' experience in private medical-legal work, and had served as an assistant professor of pharmacology in the University of Wisconsin, in the Chicago Medical School, and in the Medical School of Georgetown University.

Dr. Herwick was appointed in 1938 as associate medical officer in the Drug Division. One year later he was promoted to the position of senior pharmacologist in the same division. He was recently placed in charge of new-drug applications. Dr. Herwick, who is thirty-six years of age, is a member of the American Pharmacological Society and the Society for Experimental Biology and Medicine.

Merck Holders Approve New Preferred Issue

Merck & Co., manufacturing chemist, Rahway, N. J., stockholders, have approved the issuance and sale of $5,369,000 new 4½ percent cumulative preferred stock. The funds will provide additional working capital as well as permit the payment of existing bank loan.

SEYDEL
SODIUM BENZOATE U.S.P.
Standard for a Quarter of a Century
SEYDEL CHEMICAL COMPANY
Established 1904 JERSEY CITY, N.J. BErgen 3-7047

MENTHOL
• CRYSTALS •
Japanese and Chinese
PAUL A. DUNKEL & CO., Inc.
82 Wall Street HAnover 2-3750 New York, N.Y.
Representatives: CHICAGO: J. H. DELAMAR & SON, 160 E. Illinois Street
NEW ENGLAND: P. A. HOUGHTON, INC., Boston, Mass.
PHILADELPHIA: R. PELTZ & CO., 36 Kenilworth Street

C&B
LABORATORY REAGENTS
Inorganic and Organic Chemicals
Biological Stains Solutions
Chemical Indicators Test Papers
THE COLEMAN & BELL COMPANY
INCORPORATED
NORWOOD Manufacturing Chemists OHIO, U. S. A.

VITAMIN PRODUCTS

FISH LIVER OILS

THE ATLANTIC COAST FISHERIES COMPANY

111 JOHN STREET, NEW YORK, N. Y.

ALL GRADES OF **REFINED GLYCERINE**

U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE

REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.

COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY, NEW JERSEY

CONTROL

VITAL DEFENSE OF CALCO QUALITY

Modern equipment designed to our own specifications is but one aspect of our up-to-date pharmaceutical plant. Equally vital are our special facilities for controlling manufacture at every step — for every Calco product. For only through the most rigid step-by-step control can the quality of Calco pharmaceuticals be maintained at the high level which has made them a standard choice with so many of their users.

SULFAPYRIDINE N.N.R. (*and Sodium Monohydrate*)	SULFATHIAZOLE N.N.R. (*and Sodium Monohydrate*)
Nicotinic Acid U. S. P.	Aminoacetic Acid N. N. R.
Nicotinic Acid Amide	Mandelic Acid U. S. P.
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new sources of supply for botanicals

—ONE WAY PENICK HELPS MEET CUSTOMER NEEDS

The international upheaval cut off or greatly reduced the import of many widely used drug plants needed by manufacturers and wholesalers. Before the conflict, S. B. Penick & Company instituted a vigorous search to locate new sources of supply. A great deal of intensive work by our field representatives, much traveling and delving, and much expense went into the search.

Even where sources of growth were found, it was often difficult to interest growers and collectors in the work of properly gathering, drying and shipping these botanicals. The cost of obtaining the botanicals from the new sources was (and is), in many cases, several times that of the original source. But the project, which still goes on, has proven very worthwhile. Numerous drug plants which otherwise might not be available today may be obtained, in at least moderate quantity, from S. B. Penick & Company.

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Drugs, Fine Chemicals

—Continued from page 54

quotations on methyl salicylate, potash permanganate, soda benzoate, and vanillin, were noted in the market for resale materials last week. Demand continued very good and available supplies were conservative. A feature of late has been the increase in the number of houses featuring a resale business, but in most instances the stocks available were not substantial and replenishment of goods was something of a problem since sources from which resale merchandise originates shows a tendency to dry-up.

Quotations noted during the past week were:—Acetone, 20c. to 25c. per pound; acetylsalicylic acid, 85c.; butyl acetate, 24c. to 30c.; calcium lactate, 31c.; citric acid, 58c. to 60c.; cream of tartar, 62c.; formaldehyde, 35c. in 40-pound containers; isopropyl alcohol, 80c. to 90c.; methyl salicylate, 85c. to 90c.; potash permanganate, $1.15 to $1.25; Rochelle salts, 63c. to 65c.; soluble saccharin, $2.85; salicylic acid, 65c. to 90c.; soda benzoate, $1.10 to $1.15; soda salicylate, $9.75; tartaric acid, 75c.; theobromine, $9.75 to $10.75; theobromine sodiosalicylate, $4.50 to $4.85; vanillin, $5.50 to $5.75; cadmium metal, $1.50 to $1.75 per pound.

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We Invite Your Correspondence

Dart Joins United Drug

Justin W. Dart, who recently became disassociated from the Walgreen Company, operator of a drug-store chain, has joined the management group of the United Drug Company. Joseph A. Galvin, president of the United company, said that Mr. Dart would work with the executives and the directors in making a general study of the business.

F.J. Mann, Inc., Moves

F. J. Mann, Inc., manufacturer of fine chemicals, has moved its plant and laboratories to larger quarters at 27-03 Forty-third avenue, Long Island City. The firm's warehouse is located at 27-12 Forty-third avenue.

McKesson & Robbins, Inc., has appointed A. B. Benson and T. C. Duff vice-presidents.

ROBINSON WAGNER CO.

MANUFACTURERS OF

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Botanical Drugs, Spices, and Gums

Quiet to Dull Botanical Demand Brings Wave of Price Recessions —Domestic Items Due for Advances—Collection Costs Ranged High in Country

A wave of price recessions swept through the market for botanical drugs during the past week. The softer tone that has come to the market since trade became quiéter was in evidence and though the trend may be temporary, it was nevertheless in favor of the buyer for consumption during the period under review.

Though the advances were comparatively few, they were sharp and gave clear evidence that replacement costs have an upward tendency that compels rectification of spot quotations once replacement buying is forced on the dealer.

Manufacturing consumers whose needs comprise botanicals of domestic origin appear to be in for generally higher prices. Elements making for advancing markets have been known and realized for a long time past. Costs in the domestic collection centers were raised by the absence of normal supplies of field labor. Industry drained the hill country of persons habitually devoted to drug collection. Higher prices were paid to excite the remaining collectors to greater activity and the result is likely to be seen in the weeks ahead.

Balsams

Peru.—Firm and active. Moderate supply.

Tolu.—Replacement very firm. Good spot call.

Barks

Angostura. — Some spot offered cheaper at 26c. to 27c. per pound.

Cinchona.—Broken U.S.P. red or yellow bark down to 19c. to 20c. per pound.

Cociliana. — Active season finds prices lower at 20c. to 21c. per pound.

Wahoo.—Root bark higher at 45c. to 50c. per pound.

Wild Cherry.—Thin natural fetching 7½c. to 8c. per pound.

Beans

Tonka.—Tending generally firmer as shipments from source become somewhat uncertain due to inadequate steamer service.

Vanilla.—Awaited Bourbon beans still not in sight. Dealers say that sales on if and when arrived basis will have virtually exhausted the cargo by time ship gets here. Market firm. Next crop Mexicans expected not to exceed 150,000 pounds total. Compares with 500,000 pounds in last crop. Vines not producing well.

Berries

Hawthorn.—Dependence totally on domestic collection. Nothing coming from normal foreign source. Price strong at 65c. to 70c. per pound.

Juniper. — Some domestic berries offered spot at 60c. to 65c. per pound. Down slightly.

Flowers

Borage.—Some spot goods offered cheaper at 40c. to 45c. per pound.

Chamomile. — Hungarian style shaded to 80c. to 85c. per pound.

Price Changes

Advanced

Digitalis leaves, 10c. per lb.
Goldenseal root, whole, 45c. per lb.
powder, 40c. per lb.
Hawthorn berries, 30c. per lb.
Horehound herb, 2c. per lb.
Pinkroot, 3c. per lb.
Quince seed, 10c. per lb.
Rhubarb root, whole, 15c. per lb.
powdered, 15c. per lb.
Rosemary leaves, 1c. per lb.
Saffron, Mexican, 45c. per lb.
Wahoo, root bark, 5c. per lb.
Wildcherry bark, thin natural, ½c. per lb.

Reduced

Angostura bark, 4c. per lb.
Bayberry bark, 1c. per lb.
Belladonna root, 25c. per lb.
Borage flowers, 5c. per lb.
Cassia, shortstick, 1c. per lb.
Batavia, broken, 1½c. per lb.
Saigon, No. 1, 4-10-4, 3c. per lb.
10-6-2, 3c. per lb.
all thin, 3½c. per lb.
Chamomile flowers, Hungarian type, 5c. per lb.
Cinchona bark, U.S.P., broken, 1c. per lb.
Clover tops, domestic, 2c. per lb.
Cociliana bark, 2c. per lb.
Colocynth pulp, 5c. per lb.
Colombo root, 2c. per lb.
Coriander seed, ¼c. per lb.
Corn silk, 2c. per lb.
Dandelion root, 10c. per lb.
Dragon's blood, reeds, 5c. per lb.
Eucalyptus leaves, 1c. per lb.
Euphorbia herb, 3c. per lb.
Gentian root, whole, 5c. per lb.
ground, 4c. per lb.
powdered, 4c. per lb.
Ginger root, African, 4c. per lb.
Jamaica, bold, 2c. per lb.
medium, ½c. per lb.
bright grinding, 3c. per lb.
Guarana, powdered, 5c. per lb.
Henna leaves, 2c. per lb.
Ipecac root, whole, 15c. per lb.
powdered, 10c. per lb.
Juniper berries, 10c. per lb.
Laurel, Portuguese, 2c. per lb.
Peppermint leaves, domestic, 5c. per lb.
Poppy flowers, red, 15c. per lb.
Sage, Spanish, 8c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
313.6	311.5	313.1	227.9

Market news that may have developed after this report was sent to press will be found on page 4.

Sage

If the turkey dressing was not up to snuff, if the pork sausage has lost its tang, and if no longer do you smack your lips over sage cheese—blame it on World War No. 2.

All this because the war has stopped imports of the most savory sage—Dalmatian, or Austrian that came from Yugoslavia to the extent of 1,669,274 pounds out of the 1939 total import of 1,920,853 pounds.

Sage imports in 1940 were 885,650 pounds and landings in the January-September periods of 1941 totaled 740,719 pounds. But little came from Dalmatia and much of it was the Greek that no self respecting house wife, sausage, or cheese manufacturer cares to use.

Prices have upped from 5¾c. in September, 1939, to the current quote of $1.50, which compared with the World War No. 1 rise from 4c. in August, 1914, to 70c. by mid 1917 when it disappeared from the market.

Sage is now used mainly as flavoring. But when Harvard College was seventeen years old, a Mr. Culpeper in his Complete Herbal of 1653 said nothing about its culinary availability. Instead, he declared that sage:

Is good for the liver.
Makes blood.
Provokes urine.
Expells the dead child.
Turns hair black.
Stops bleeding.
Cleans ulcers.
Kills ear worms.
Kills worms in sores.
Helps the memory.

Notwithstanding which, we still like sage in fowl dressing, pork sausage, and cheese.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

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OF HOPKINS' PROFESSIONALLY MILLED, ANALYZED, HIGH STANDARD
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The earth contributes and J. T. Hopkins & Company distributes every foreign and domestic botanical drug for which there is a commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

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✓ALTHEA ROOT
✓ANISEED
✓ARECA NUTS
✓ASAFOETIDA GUM
✓BENZOIN GUM
✓BUCHU LEAVES
✓CALAMUS ROOT
✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
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— latex adhesive mixtures
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— or wherever a gum or hydrophilic colloid is required

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KELCO Algins are gum-like, colloids which, when mixed with water, form very *viscous* solutions. Because of this viscous property, KELCO Algins are used regularly as efficient but economical suspending, stabilizing, bodying, and emulsifying agents—or wherever a gum, a gum-like, or hydrophilic colloid is required.

KELCO Algins are made in U.S.A. from domestic kelp to rigid specifications. Thus, you are assured of uniform high quality products and uninterrupted service.

We invite you to send for complete information, prices and samples. Please specify use or uses.

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Clover.—Domestic flowers down to 27c. to 29c. per pound as to quality.

Linden.—Flowers with leaves offered spot at 85c. to 90c. per pound.

Poppy.—More offered prompt delivery. Market down to 70c. to 75c. per pound.

Gums

Benzoin.—Becoming harder to get from sources of supply.

Camphor.—Stocks of natural shrinking. No replacement possible. Even- tual dependence on domestic synthetic seems certain.

Tragacanth.—Holding firm. Selling fairly well. Moderate reserves.

Herbs and Leaves

Eucalyptus.—Shaded to 10c. to 11c. per pound.

Euphorbia.—Lower and easier at 12c. to 15c. per pound.

Horehound.—Higher at 13c. to 15c. per pound.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	190	3,310
Belladonna	70	207
Caraway	70	207
Cardamom (cases)	10	2,471
Celery	69	6,458
Coriander	17,813	34,108
Cumin	6,863	19,353
Digitalis (cases)	...	...
Dill	4,318	18,484
Fennel	210	2,304
Henbane leaves (bales)	216	256
Mustard	...	10,017
Poppy	1,213	3,785
Sage leaves (bales)	1,912	10,287
Sesame	4,305	10,358
Stramonium	265	267
Thyme	2,038	16,480

Laurel.—Portuguese shaded to 16c. to 17c. per pound.

Peppermint.—Domestic down to 65c. to 70c. per pound.

Rosemary.—Cheaper at 17c. to 18c. per pound.

Miscellaneous

Colocynth Pulp.—Spot reduced to 90c. to 95½c. per pound.

Corn Silk.—Cheaper and more plentiful at 20c. to 21c. per pound.

Dragon's Blood.—Despite its origin in the Far East, spot sellers offer prompt deliveries at 95c. to $1 per pound.

Guarana.—Powdered more competitive. Selling at 95c. to $1 per pound.

Roots

Belladonna.—Reduced. Offered at $2 to $2.65 per pound.

Colombo.—Recent arrivals ease prices to 20c. to 22c. per pound.

Gentian.—Down. Whole 60c. to 65c. per pound; granular, 63c. to 68c.; powdered, 65c. to 70c.

Ipecac.—Cheaper. Whole, $1.50 to $1.55 per pound. Powdered, $1.60 to $1.65.

Jalap.—In tight position.

Seeds

Coriander.—Shaded to 10¼c. to 10½c. per pound.

Fennel.—Some genuine German large seed held at 20c. per pound.

Fenugreek.—Advance extended to 8½c. to 9c. per pound.

Spices

Ginger.—African sharply lower at 26c. to 27c. per pound. Jamaica down to 40c. to 41c. for bold; medium, 37½c. to 38c.; bright grinding, 32c. to 33c.

Peppers.—White Java Muntok lower at 9½c. to 10c. per pound; Singapore Muntok, 9¼c. to 9¾c. Red, Japanese chillies, easier at 28c. to 29c. per pound.

Trading in black pepper futures on the New York Produce Exchange from November 29 to December 5, inclusive, comprised 117 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	6.10	5.97	5.97@ 6.00
May	6.22	6.05	6.06@ 6.10
July	6.27	6.15	6.16@ 6.19
September	6.32	6.23	6.25@ 6.28

Pimento.—Prices lack further change. Undertones still indicate easier situation.

WHEN IT'S 5 P.M. IN NEW YORK
IT'S NOON IN HAWAII

In beautiful Hawaii they still find time to dance the hula. But with four-fifths of the world's population at war, our foreign representatives report increasing difficulty in securing quantities of some essential Botanical Drugs. With this almost certain curtailment in imported commodities looming up, we suggest that you take an inventory now and call us for the latest information on the Botanical Drugs you will need in the near future.

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Essential Oils, Aromatic Chemicals

Essential Oil and Aromatic Chemical Scarcer—Raw Material Situation Acute—Demand Outruns Supply—Domestic Oils Gain Strength Steadily—Prices Strong

Conditions in the essential oil and aromatic chemical market changed not at all for the better last week. Dwindling stocks were reported on all sides, and the outlook for replenishment by either import or manufacture was not good.

In the aromatic chemical field production is controlled by size of plants and availability of raw material. As to raw material, in very few items is the prospect for larger supplies even reasonably fair. Items of coaltar origin face a prospect of lessening supplies as defense needs absorb more and more of basic raw materials. Expansion of plants might help some, but building materials and plant machinery are controlled and affected adversely by diversion of raw materials into defense projects.

In the essential oil group difficulties connected with importations from countries still in commercial relations with America are a thousandfold and increase steadily. Lack of even a reasonable number of ships, overwhelming demand for the limited cargo space available, high transportation and other costs—all combined to make the future of supplies not a happy one. Even domestic oils show growing strength, particularly noted at this time in dill, peppermint, spearmint, and wormseed.

Essential Oils

Almond.—Sweet oil scarcer and higher. Sales at $2.35 to $2.45 per pound. Little held in primary market.

Angelica.—Small supply of root oil quoted $115 per pound. Seed oil, higher at $120. Most factors have none.

Anise.—Holding very firm. Tending higher as Far East crisis grows more acute.

Apricot.—Very firm. No surplus supply. Demand moderate.

Bergamot.—Fully $32 would have to be paid for anything available. Some "guess" the market as high as $35 per pound. No definitely confirmed stocks.

Bois de Rose.—Little available. Market higher. Virtually nominal at $4 to $4.25 per pound. Strong in primary market.

Cajeput.—Higher. Stronger. Smaller supplies. Replacement difficult. Technical, $1.30 to $1.35 per pound; U.S.P. IX, $1.65 to $1.70; U.S.P. X, $2.15 to $2.20.

Patchouli Oil

Pugnacious Japan, casting envious and acquisitive eyes athwart the Netherlands Indies and British Malaya, is a serious threat to continued export of patchouli oil from Far Eastern markets to the United States.

Thus far in World War No. 2 the Far East has done very well in getting oil to this country. In eight months of 1941, 85,933 pounds of oil arrived here. The 1939 total arrival was 28,242 pounds, of which amount 24,155 pounds came from the Netherlands Indies and British Malaya.

Availability of oil has prevented the extreme price advances in World War No. 1. The spot market was $3.35 per pound in September, 1939. The current quotation is but $5.65. Practically every other Far Eastern oil has hit stratospheric price levels while spot stocks have been bled white.

The World War No. 1 price was $4 per pound in August, 1914. In two years the spot market reached $8. When the United States tangled with the Kaiser, values here were up to $20. And when Kaiser Bill fled to Holland just before the 1918 Armistice, buyers were paying $28.

Upheaval of prices appears to await a Japanese move against Singapore and the Netherlands Indies.

Price Changes

Advanced

Almond, sweet, 10c. per lb.
Angelica, seed oil, $10 per lb.
Bergamot, $10 per lb.
Bois de rose, 25c. per lb.
Cajeput, 15c. per lb.
Juniper tar, 8c. per lb.
Patchouli, 40c. per lb.
Rosemary, 10c. per lb.

Reduced

Citronella, Ceylon, 3c. per lb.
Java, 14c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
265.4	239.4	230.9	161.5

Market news that may have developed after this report was sent to press will be found on page 4.

Cananga. — Small stocks dwindling Far East crisis grows. Replacements may stop entirely. Tendency upward.

Caraway. — Few able to deliver. Market virtually nominal. Likely to disappear entirely.

Cassia. — Many dealers report no stocks. Few holders. Prices strong and close to nominal. Far East situation critical.

Cedarleaf.—In low reserve. Tending higher.

Cedarwood.—Closely and strongly held in all quarters. No surplus.

Citronella.—Easier and lower, according to some reports. Spot Ceylon in drums quoted 82c. per pound; Java, 71c. Critical Far East situation could readily change present picture.

Clove.—Excellent demand. Moderate unsold stocks. Output well sold ahead.

Dill.—Strong. Stocks comparatively low. Tendency upward.

Eucalyptus. — Strong, all points. Demand excellent. Prices tend up.

Ginger.—Raw material lower. First decline in months. No change in strong position of oil.

Juniper Tar. — Limited stocks revalued to 80c. to 95c. per pound. Not much available at inside quote.

Lavender.—Spike oil showing further strength. Tendency upward.

Lemon.—Firm. Selling well. No surplus supplies locally.

Lemongrass.—Strong in all markets. Stocks low on spot. Replacement costs well maintained.

Lime.—Both distilled and expressed oil in low supply. Strong and high in primary markets.

Patchouli.—Strength grows despite excellent arrivals this year. Advance has been slow. Present market, $5.65 to $5.75 per pound.

Peppermint.—Reports from middlewest market reveal difficulty in buying. Most holders offer nothing. Holding for higher prices. Some spot dealers declare present apparent strength is result of market manipulation. Prices holding here.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9

In Extraordinary Demand
OIL LEMON AMERICAN
Expressed U.S.P. (Calif. C.P.)
Booking your contract now is advised since war conditions have increased demands in the American market for this product. Write for special price schedule.
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Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors . . Since 1895
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AMMER ECONOMY POINTER

OIL OF SANDALWOOD EAST INDIA

We are pioneers in the distillation of this Oil in U.S.A. Looking back over our fifty-five years business experience, we can say that during half that time we have been manufacturers of Sandal Oil, and we unhesitatingly and without reserve offer our product as

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Aromatic Chemicals

Anethol.—Strong and likely to remain strong.

Anisic Aldehyde. — Strength pronounced. Demand good.

Benzaldehyde.—No change for the better. Production depends on available raw material, 1942.

Benzyl Compounds.—Prices nominal. Stocks far under needs. Raw material supplies not likely to be increased.

Cinnamic Aldehyde.—Stocks very small. Demand held in check by inability of sellers to supply full needs.

Cinnamic Alcohol. — Little chance for an increase in needed stocks.

Citral. — Sellers reserved. Stocks limited. Firm undertones.

Citronellal.—Demand excellent. Deliveries subject to delays. Stocks low.

Citronellol. — Ready market for every pound produced. Strong.

Diphenyl Oxide.—Active demand. Stocks moderate. Very firm undertone.

Ethyl Vanillin.—Demand running high. Poor outlook for vanilla beans spells active future for this item.

Eucalyptol.—Holding strong with upward tendency due to strength, raw material.

Eugenol.—Raw material situation keeps prices strong. Demand also assists.

Geraniol.—Sellers reserved. Production controlled by lack of ample stocks of raw material. Demand good.

Heliotropine.—Small stocks. Few holders. Little chance for imports. Dependance almost totally on restricted domestic production.

Hydroxycitronellal.—Purely nominal around $6.50 per pound. Plant output engaged far ahead. Little chance to increase production.

Vanillin.—Poor outlook, next crop of Mexican vanilla beans virtually assured active future for vanillin. Demand already running high.

George Beal Gets Remington Medal

—Continued from page 3

pharmacopeial revision and Dr. Beal's important and efficient part therein were reviewed by E. Fullerton Cook, chairman of the U.S.P. revision committee. Prof. Cook spoke feelingly of the characteristics and ideals of Prof. Joseph P. Remington in U.S.P. work and for pharmacy in all ways, and drew a parallel of the character and purposes of the 1941 recipient of the medal established in honor of Prof. Remington.

Dr. C. Leonard O'Connell, of the Pittsburgh College of Pharmacy, told of Dr. Beal's contributions to pharmacal education. Pharmacopeial standardization is Dr. Beal's hobby, said Dr. E. R. Weidlein, director of Mellon Institute, who told of the medalist's real work which continuously comprises active supervision of some twenty concurrent research projects that have spread from the safety of aluminum cooking utensils, to nontoxic carotting of fur for felt, to the tenderizing of meat by ultraviolet rays—in all of which, he said, George Beal has accomplished much of real usefulness.

Dr. Beal's acceptance address was a human appreciation of the services of those who have been associated with him in his various works and a recognition of the value of research in innumerable ways. His remarks added clearly to the testimony of his friends that George Beal is, first a man whom it is a pleasure to know, and then a searcher after useful knowledge who is "a bear for work."

Fritzsche Executives Return From Central America

F. H. Leonhardt, president, and Dr. Ernest S. Guenther, vice-president of Fritzsche Brothers, Inc., this city, respectively, have returned from a three weeks' trip to Mexico and Guatemala undertaken in the interests of furthering the development of these countries as producers of essential oils.

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Petroleum Products

Henderson Will Allow 'Reasonable' Petroleum Price Advances —Independent Group Would Prove Crude Rise Justified—OPA Tightens Paraffin Ceiling Order—Contracts Must Be Revised

Price administrator Leon Henderson informed the petroleum industry last week that "reasonable and justified price increases" on petroleum products will not be prevented if the necessity for the raises are established to the satisfaction of the OPA. All petroleum products were included, with the exception of solvents and naphthas, lighter fractions, paraffin, petrolatums, white oils and other chemical products. Almost immediately the Independent Petroleum Association of America presented figures reported to prove that the price of finding, developing and producing crude oil had risen 35c. per barrel since 1937. The association also contended that the present average price of crude paid to producers is 6c. per barrel less than it was in 1937.

The OPA also tightened the price ceiling order for paraffin wax by announcing that contracts for the sale of paraffin at prices above the ceiling levels, which were entered into prior to the effective date of the OPA price order must be revised to conform therewith. It was added, however, that appeals may be made to the administrator in hardship cases for relief from the terms of the order. The OPA said that the ceiling applies to lease-lend and other export sales as well as domestic sales.

Solvents and Diluents

Aromatic Naphthas.—Market very tight. Offerings not made freely. Demand heavy. Prices firm.

Cleaners' Naphtha.—Good call reported. Movement larger. Quotations unaltered.

Lacquer Diluent.—Tightness continued to dominate. Offerings small. Prices unchanged.

Mineral Spirits.—Heavy call from the paint trade. Movement large, with offerings fair. No change in quotations.

Rubber Solvent.—Demand continued to pick-up, with shipments to the rubber tire trade very heavy. Prices steady.

Stoddard Solvent.—Consumers continued to come into the market for large quantities. Shipments heavy.

V.M. & P. Naphtha.—Movement very large, with takings of the paint trade at high levels. Prices firm.

Markets at Other Centers

Chicago—Dec. 5

Generally strong and firm market conditions persist. Buying by paint and allied firms is active. Offerings are not heavy.

Aromatic Naphthas.—Supplies limited, prices strong.

Cleaners' Naphtha.—Offerings few, no change in price.

Lacquer Diluent.—Buying good, prices unaltered.

Mineral Spirits.—Inquiries steady, market holding.

Rubber Solvent.—Steady orders, quotations unchanged.

Stoddard Solvent.—Trade brisk, prices steady.

V. M. & P. Naphtha.—Steady call, no price change.

Kerosene

Production of kerosene in September totaled 5,949,000 barrels, compared with 5,859,000 in August and 6,062,000 in September, 1940. Imports were 15,000 barrels, against none in August, and 67,000 last September. Domestic demand in September totaled 5,524,000 barrels, compared with 4,449,000 in August and 5,173,000 in the previous September. Exports were 314,000 in September, 400,000 in August, and 178,000 in September, 1940.

The January-September figures this year, as compared with those of 1940, were as follows: production, 53,106,000 barrels, against 54,061,000; imports, 58,000 barrels against 135,000; domestic demand, 49,388,000 barrels, compared with 48,592,000; and exports, 1,626,000 barrels, against 2,926,000. Stocks at the end of September totaled 11,662,000 barrels, compared with 10,254,000 at the end of September, 1940.

Price Changes

Advanced

None

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

New Orleans—Dec. 5

The domestic market on cleaning solvent and V. M. & P. naphtha experienced the usual seasonal demand during the past week, with prices remaining unchanged.

Cleaning Solvent.—Demand routine; price steady.

V. M. & P. Naphtha.—Normal demand; no change in price.

San Francisco—Dec. 5

Little of new feature to report. Prices have not changed.

Aromatic Naphthas.—Demand heavy.

Petroleum Thinners.—Demand good.

Lacquer Diluent.—Production moving steadily into consumers' hands.

V. M. & P. Naphthas.—Active and firm.

Rubber Solvent.—Good call.

Tulsa—Dec. 5

Inquiries for delivery over the first quarter continued to become prominent in the market. Tire manufacturers are active in seeking rubber solvent.

Stoddard Solvent.—Fair inquiries, prices strong.

Mineral Spirits.—Good inquiries, prices fair.

Lacquer Diluent.—Heavier shipments, prices strong.

Rubber Solvent.—More activity, prices firm.

Lighter Fractions

Butane.—Movement narrow due to scarcity. Offerings small. Prices firm.

Heptane.—Consumers bidding spiritedly. Offerings narrow. Quotations unaltered.

Hexane.—Buying on large scale. Material offered in routine manner. No price changes.

Octanes.—Demand continued to pick up. Shipments in good volume. Prices firm.

Pentanes.—Buying active. Shipments heavy. Inquiries more numerous. Quotations firm.

Propane.—Tightness dominated the market. Offerings limited. Prices firm.

Markets at Other Centers

Chicago—Dec. 5

Generally strong and tight market conditions continue to prevail. Buyers are asking for more of most grades.

Butane.—Limited supply, strong prices.

Heptane.—Call active, prices holding.

Hexane.—Good demand, market stiff.

Octanes.—Trade fair, quotations steady.

Pentanes.—Good buying, prices firm.

Propane.—Limited supplies, no price change.

Tulsa—Dec. 5

Extreme scarcity of all light fractions continues.

Butane.—Fewer offerings, prices strong.

Propane.—Good demand, prices steady.

Pentane.—Strong call, prices firm.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

Petrolatums and Waxes

Paraffin.—Heavy demand. Offerings limited. Prices pegged.

Petrolatums.—Movement restricted by tightness. Quotations firm.

White Mineral Oils.—Large call. Prices steady.

Markets at Other Centers

Chicago—Dec. 5

The general market is firm, with paraffin in good call at stated price levels.

Paraffin.—Demand good, prices steady.

Petrolatums.—Active call, no price change.

White Mineral Oils.—Buying steady, quotations holding.

Tulsa—Dec. 5

Demand for wax and petrolatum was heavy in Mid-continent markets this week.

Paraffine.—Slow movement, prices pegged by OPA.

Petrolatum.—Market quiet, prices steady.

Fuels and Lubricants

Gasoline.—Movement slower. Prices firm.

Kerosene.—Fair call. Tone stable.

Lubricating Oils.—Pennsylvania bright stocks eased. No changes.

Markets at Other Centers

Chicago—Dec. 5

Demand holding despite seasonal considerations.

Gasoline.—Good call, prices holding.

Kerosene.—Fair movement, no price change.

Lubricating Oils.—Movement brisk, prices firm.

New Orleans—Dec. 5

Gasoline was in good demand, with all prices remaining firm. Interest in kerosene continued normal.

Gasoline.—Demand routine; no price change.

Kerosene.—Market firm; price unchanged.

Tulsa—Dec. 5

There was fair activity in this market. Prices were steady.

Gasoline.—Less buying, prices fair.

Kerosene.—Good interest, prices steady.

C. M. Brickell has succeeded J. S. Harris as Louisiana and Mississippi manager for the Shell Oil Company, Inc. He was the company's Mississippi jobber representative.

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Asphalt Maximum Prices Established

—Continued from page 3

roofing products sold in that area. However, it is stipulated that the maximum prices which may be charged on sales for delivery in Oregon, Washington, Idaho, Utah, California, Nevada and Arizona shall be such that the cost to the buyer shall not exceed that which prevailed on July 2, 1941. The same date is applied to sales in Hawaii and Alaska.

It is planned to invite Pacific coast manufacturers to a meeting in the near future to discuss their situation with a view to amending the schedule to include a specific set of Pacific coast maximum prices.

Oil Compact Commission To Meet December 19-20

Annual meeting of the Interstate Oil Compact Commission will be held in Oklahoma City December 19-20. Election of a chairman to succeed Governor Leon C. Phillips, who has refused to run for a term, will be one of the features of the meeting, to be attended by representatives of eleven State members.

Phillips 'Gas' Unit Explodes

Okmulgee, Okla., Dec. 1, 1941

Four employees were killed and seventeen persons injured today when four explosions started a raging blaze in the gasoline department of the Phillips Petroleum Company's refinery here. Cause of the blasts has as yet not been determined.

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Dow Co. Receives Achievement Award

The Dow Chemical Company received the 1941 Award for Chemical Engineering Achievement, in recognition of its pioneering research of the recovery of metallic magnesium from sea water. The presentation was made at a dinner at the University Club, this city, December 2, by Colonel Alfred H. White, chairman of the award committee and head of the department of *Chemical and Metallurgical Engineering* at the University of Michigan.

Dr. Willard H. Dow, president and chairman of the Dow Chemical Company, accepted the bronze plaque on behalf of his company. The award is presented biennially by *Chemical and Metallurgical Engineering.*

Riboflavin Requirement For Flour Postponed

OPD Washington Bureau
December 4, 1941

Federal Security Administrator Paul V. McNutt today issued an order postponing to July 1, 1942, the effective date of the mandatory riboflavin requirement in the definitions and standards of identity for enriched flour, enriched bromated flour, enriched self-raising flour, and enriched farina. All the other provisions of the definitions and standards of identity for these products, published in the *Federal Register* of May 27, 1941, will become effective on January 1, 1942.

Nutrition Research Award for Pitt Univ.

A fundamental study of the nature of fats and oils will be conducted by the University of Pittsburgh under the first of the fellowships in nutrition recently offered by Swift & Co., Chicago, according to Prof. Charles G. King of the university, known for his vitamin studies, and Dr. H. E. Longenecker, Buhl Foundation research fellow and assistant professor of chemistry, will direct the work. Dr. Karl F. Mattil, Ph.D., Pennsylvania State College, 1941, has been appointed as research fellow under the Swift grant.

B. G. Merrill Made Assistant To Hopkins & Co. President

J. L. Hopkins & Co., botanical drugs, this city, has appointed Bernard G. Merrill assistant to the president and director of sales. Mr. Merrill, for many years with George W. Luft & Co., is widely known to the drug, cosmetic and allied industries.

J. C. Feagley has been elected to the directorate of the Armstrong Cork Company, Lancaster, Pa.

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Fertilizer Materials

Scarcity of Chemical Fertilizers Remains Feature of Market —Demand Very Heavy But Offerings Limited—Organics Less Active—Imported Blood Advanced

The demand for various chemical fertilizer materials continued to highlight the market last week. Scarcity remained principal stumbling block. Extremely heavy demand for sulphate of ammonia received little response from producers, who were offering only meager quantities in the open market. The amount being exported was small, due to the difficulty in securing export licenses. Nitrate of soda and potash salts, although not as tight as sulphate, were scarce enough to result in limited offerings. Sales of cyanamid and ammonia phosphate were negligible.

In the organics end of the market, conditions were a bit less active than in the previous week. Sole price change was small advance in imported blood. Tankage was in moderate call. Bone materials were holding their own, with buyers now a little more interested in larger quantities. Trading in fish scrap and fish meal was small.

Price Changes

Advanced

Blood, dried, imp., 5c. per unit, c.i.f. ports

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.6	70.6	70.6	67.3

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Ammonia Phosphate.—Heavy demand, with no offerings reported. All movement to contract to customers.

Anhydrous Ammonia.—Little available for fertilizer uses. Prices unchanged.

Calcium Nitrate.—None available. Prices withdrawn.

Castor Pomace.—Fair demand for domestic. No imported offered.

Dried Blood.—Imported blood up 5c. per unit to $4.20, c.i.f. ports. Market for domestic material quiet. Prices firm.

Fish Scrap.—Little activity at Chesapeake Bay factories. Prices unchanged.

Hoofmeal. — Routine movement. Prices firm.

Nitrate of Soda.—Heavy demand reported. Offerings limited due to short supplies. Prices firm and unchanged.

Nitrogenous Material.—fairly good demand, with market tight both in the Midwest and the East.

Sulphate of Ammonia.—Little available for open market. Prices for contract delivery unchanged.

Tankage.—Less activity. Prices firm.

Potashes

Movement of potash salts remained very large during the period under review. Production was about adequate to meet current demand, although there were few new offerings in the open market. Contract customers were ordering out material in good volume. Shipments were heavy. All prices remained firm and unrevised.

Phosphates

Bone Materials.—No changes in prices on domestic or imported bone materials. Demand fair.

Phosphate Rock.—Large call, with offerings adequate. Prices firm.

Superphosphate.—Scarcity continued to be the dominant factor in the market. Demand was very large but offerings were limited. Some producers were still selling their acid outright at greater profit. Prices were firm.

Sulphur

There were few new developments in the market last week. Movement was at about previous levels and demand was well maintained. Shipments were regular. Prices steady and unaltered.

Fertilizer Outlook

The Bureau of Agricultural Economics forecasts the highest farm income in 1942 since 1920. The forecast is based primarily on the agricultural program being oganized by the Department of Agriculture, which, as planned, will yield the greatest production in the history of this country. Increased output will embrace virtually all farm products.

The 1942 farm outlook, according to agricultural economists, also is dominated by increased consumer demand, greater government purchases and large government loans to the farmers. Exports of domestic farm products are expected to rise sharply, while competition from imported commodities undoubtedly will lessen. In addition, speculative and storage demands will be the best in years due to the rising general price level.

Because the fortunes of the fertilizer industry reflect those of the American farmer, 1942 should witness the greatest demand for fertilizers that this country has ever experienced. The rapid rise in farm product prices during the last half of 1941 has greatly improved the purchasing power of farm commodities. Considering the relatively small advance in fertilizer prices, fertilizer purchases next year will represent unusually profitable investments.

Markets at Other Centers

Atlanta—Dec. 5

The situation is reported quiet. Quotations on leading fertilizer materials are as follows:—

Superphosphate.—61½c. per unit, interior points.

Nitrate of Soda.—Bulk, ports, $30 per ton.

Sulphate of Ammonia.—Tight, $29 per ton, port basis.

Cottonseed Meal.—8 percent grade, $38 to $38.50 per ton, Southeast.

Blood.—So. Am., $4.20 per unit, port basis.

Nitrogenous Tankage.—$2.25 per unit, midwestern points.

Baltimore—Dec. 5

The business in crude fertilizer materials lags under the influence of the season, with little interest among buyers.

Fish Scrap.—A North Carolina producer sold 400 tons at $62 per ton f.o.b. shipping point, Morehead, N. C.

Superphosphate.—The market remains at $9.50 per ton for run-of-pile, $10 for 16 percent milled and screened material, with 20 percent supplies at $12 per ton.

Dried Blood.—Domestic, $4.15 per unit-ton. The market for South American supplies was quiet, with offers at $4.20, c.i.f. ports.

Bone.—This ammoniate is holding well at levels previously quoted.

Chicago—Dec. 5

Trade in fertilizer materials is fairly good, but values are little changed. Blood is meeting with fair interest. Tankage has been in moderate call for some time. Bone materials are holding their own, with buyers now a little more interested in larger quantities.

Blood.—Principal grade, $4.50 per unit of ammonia.

Tankage.—High-grade, $4.50 and 10c.; hoof-meal, $3 to $3.05; liquid stick, $2 to $2.25.

Canadian Fertilizer Sales Reported for 12 Months

Sales of fertilizer materials and of mixed fertilizers, including exports but excluding the export of calcium cynamide, totaled 486,842 short tons, during the year ended June 30, 1941, compared with 538,701 short tons sold during the preceding twelve months, according to a preliminary statement issued by the Dominion Bureau of Statistics at Ottawa.

Sales consisted of 74,534 tons of fertilizer materials and 248,267 tons of mixtures sold in Canada, a total of 322,801 tons, compared with the previous year's total Canadian sales which amounted to 346,721 short tons. The export figures were 34,452 tons of mixtures and 129,589 tons of materials.

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Shipping Information

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Imports at U. S. Ports

New York Imports

ACID, TARTARIC—150 bbls, Kerr Ellis Co, Buenos Aires
ACONITE ROOT—9 bgs, Marine Midland Trust Co
ALOE—8 cs, Schutte & Focke, Trujillo
ANTIMONY ORE—620 bgs, Banco Minero de Bolivia, Antofagasta
663 bgs, Banco Minero de Bolivia, Antofagasta
1,612 bgs, Banco Minero de Bolivia, Antofagasta
667 bgs, Watson, Geach & Co, Antofagasta
ASBESTOS—161 bgs, Standard Bank South Africa
878 bgs, Keasley & Mattison
321 bgs, Watson, Geach & Co
1,200 bgs, Watson, Geach & Co
BABASSU KERNELS—2,166 bgs, General Food Corp, Sao Luiz
BALSAM—4 bbls, S B Penick & Co, Puerto Barrios
4 bbls, Dodge & Olcott Co, Puerto Barrios
BANANA POWDER—86 bgs, Sanib Corp, Puerto Cortez
BEEF EXTRACT—50 cs, International Product Corp, Buenos Aires
BERYLLIUM—3,387 bgs, Cabedello
BLOOD, DR—997 bgs, Montevideo
BRISTLE, FIBER—27 tons, Volkart Bros
CALCIUM TARTRATE—218 bgs, A Mevi, Valparaiso
116 bgs, Balfour, Guthrie & Co, San Antonio
156 bgs, Charles Pfizer & Co, Buenos Aires
CANARY SEED—847 bgs, R F Downing & Co, Buenos Aires
CASEIN—334 bgs, C W Burchalter, Buenos Aires
250 bgs, Transatlantic Animal By-Product Co, Buenos Aires
960 bgs, National City Bank, Buenos Aires
417 bgs, H S Cramer & Co, Buenos Aires
417 bgs, American British Chemical Supplies, Buenos Aires
1,668 bgs, H S Cramer & Co, Buenos Aires
917 bgs, H S Cramer & Co, Buenos Aires
CASTOR BEANS—1,694 bgs, Spencer Kellogg & Sons, Victoria
4,200 bgs, Baker Castor Oil Co, Santos
1,000 bgs, National City Bank, Santos
10,160 bgs, Baker Castor Oil Co, Rio de Janeiro
1,734 bgs, Baker Castor Oil Co, Rio de Janeiro
3,387 bgs, Baker Castor Oil Co, Rio de Janeiro
1,700 bgs, Guaranty Trust Co, Bahia
1,700 bgs, Maceio
4,207 bgs, Baker Castor Oil Co, Bahia
5,094 bgs, Baker Castor Oil Co, Bahia
8,500 bgs, Baker Castor Oil Co, Recife
1,694 bgs, Bunge North American Grain Co, Recife
1,166 bgs, Baker Castor Oil Co, Recife
1,700 bgs, Baker Castor Oil Co, Recife
499 bgs, Bunge North American Grain Co, Recife
1,700 bgs, Baker Castor Oil Co, Recife
3,333 bgs, Spencer Kellogg & Sons, Cabedello
1,700 bgs, Baker Castor Oil Co, Cabedello
3,388 bgs, National City Bank, Natal
840 bgs, Baker Castor Oil Co, Natal
1,650 bgs, Baker Castor Oil Co, Natal
1,500 bgs, Baker Castor Oil Co, Natal
1,670 bgs, Bunge North American Grain Co, Natal
1,552 bgs, Guaranty Trust Co, Natal
1,554 bgs, Natal
740 bgs, National City Bank, Puerto Prince
10,200 bgs, Baker Castor Oil Co, Bahia
6,794 bgs, Spencer Kellogg & Sons, Bahia
1,094 bgs, Blue Point Oil Corp, Bahia
5,100 bgs, Baker Castor Oil Co, Bahia
3,400 bgs, Spencer Kellogg & Sons, Bahia
5,094 bgs, Baker Castor Oil Co, Bahia
3,400 bgs, Blue Point Oil Corp, Bahia
2,550 bgs, Baker Castor Oil Co, Bahia
CHARCOAL—655 bgs, Kingston
CHILLIES—60 bgs, Joosten & Janssen
385 bgs
CHROME ORE—1,490 tons, 19 cwt, 14 qts, E J Lavino & Co
COBALT CRUDE—65 dms, African Metal Corp
COCOA BEANS—250 bgs, Nieschlag & Co, Victoria
289 bgs, Belem
151 bgs, Transmarine Mercantile Corp, Cape Haitien
250 bgs, W R Grace & Co, Puna
59 bgs, Daarnhouwer & Co, Puerto Cabello
100 bgs, Nieschlag & Co, Puerto Cabello
200 bgs, A A Lindo, Port Limon
2,000 bgs, J Henry Schroeder Banking Corp, Bahia
5,000 bgs, Wm Bartholomew Co, Bahia
2,500 bgs, Nieschlag & Co, Bahia
5,500 bgs, Rockwood & Co, Bahia
268 bgs, Curacao Trading Co, Puerto Plata
200 bgs, Machado & Co, Puerto Plata
250 bgs, Gillespie & Co, Puerto Plata
315 bgs, Wessel Kulenkampf & Co, Trujillo
700 bgs, Curacao Trading Co, Trujillo
250 bgs, Daarnhouwer & Co, Cristobal
250 bgs, Nieschlag Co, Cristobal
150 bgs, Schwabach Co, Cristobal
100 bgs, Daarnhouwer & Co, Cristobal
COCONUT, DESIC—400 cs
COCONUT SHELL—755 bgs, Kingston
776 bgs, American Overseas Corp, Kingston
COCONUT SHELL, CHARCOAL—76 bgs, American Overseas Corp, Kingston
COCONUTS—117 bgs, Universal Import & Export Co, Kingston
550 bgs, J A Manton, Kingston
448 bgs, General Food Corp, Kingston
250 bgs, Universal Import & Export, Kingston
1[illegible] Universal Import & Export, Kingston
500 bgs, J A Manton, Kingston
500 bgs, Barclay Bank, Kingston
COCONUTS—394 bgs, Universal Import & Export Co, Kingston
950 bgs, J A Manton, Kingston
116 bgs, Universal Import & Export Co, Kingston
800 bgs, J A Manton, Kingston
500 bgs, Universal Import & Export Co, Kingston
470 bgs, General Food Corp, Kingston
500 bgs, Universal Import & Export Co, Kingston
197 bgs, Universal Import & Export Co, Kingston
253 bgs, Universal Import & Export Co, Kingston
COLOMBO ROOT—200 bgs, R J Prentiss & Co
80 bgs, S B Penick & Co
200 bgs, R J Prentiss & Co
COLUMBITE ORE—634 bgs, Union Ore Corp
400 bgs, Watson, Geach & Co
766 bgs, Union Ore Corp
COMPLEX ORE—384 bgs, Wah Chang Trading Corp, Arica
COPAIBA BALSAM—232 cs, Belem
COPRA—7,325 bgs
4,700 bgs
625 bgs
CORUNDUM—1,264 bgs, Watson, Geach & Co
1,295 bgs, Watson, Geach & Co
1,721 bgs, Watson, Geach & Co
820 bgs, Watson, Geach & Co
COTTON LINTERS—236 bls, Santos
910 bls, Santos
1,254 bls, Santos
703 bls, Santos
70 bls, Lush Cotton Prod Co, Natal
4 bgs, J E Bernard & Co, Santos
RESIDUE—110 bls, Santos
177 bls, Maceio
CUTTLEFISH BONES—30 cs, R Koppel
DERRIS ROOT—1 bg, Jacobus F Frank
DIVI-DIVI—1,347 bgs, J Martland, Barranquilla
DRAGONS, BLOOD—1,000 bgs, Montevideo
DRUGS, DRIED—35 bdls, 5 bgs, Merck & Co, Trinidad
ERGOT—45 dms, S B Penick & Co
EUCALYPTUS LEAVES—16 bgs, A Villagram, Arica
FISH LIVERS—44 cs, Borden Co, Rio de Janeiro
FLAXSEED—1,448 bgs, 3,085 bus, Leval & Co, Buenos Aires
416,560 kilos, 16,762 bus, Leval & Co, Buenos Aires
1,608 bgs, 3,537 bus, Leval & Co, Buenos Aires
2,032,000 kilos, 81,280 bus, Leval & Co, Buenos Aires
FUSTIC WOOD—30 tons, American Dyewood Co, Kingston
GAMBIER BLOCK—107 cs, E E Androvette, Straits Settlements
GENTIAN ROOT—40 bgs, Corn Exchange Bank Trust Co
400 bgs, S H Penick & Co
GLANDS SUPRARENAL—86 cs, Wilson & Co, Buenos Aires
GLUE, SHEET—62 bgs, Biological Raw Products Co, Santos
200 bgs, Biological Raw Product Co, Santos
GLUESTOCK—58 bls, Darmstadt, Scott & Courtney, Buenos Aires
GUM, ARABIC—240 bgs, Credo Commodities Co
200 bgs, Greene Trading Co
500 bgs, T M Duche & Sons
500 bgs, American Cyanamid & Chem Co
500 bgs, Raphael Hamaleh
240 bgs, Orbis Product Corp
300 bgs, E Meer & Co
200 bgs, Frank Vliet Co
150 bgs
5,559 bgs
174 bgs, Innis, Speiden & Co
CHICLE—12 bgs, National City Bank, Cristobal
COPAL—600 bgs, Banque Belge pour l'Etranger
3,500 bgs, Gillespie-Rogers-Pyatt Co
2,000 bgs, Stroock & Wittenberg Corp
190 bgs, France, Campbell & Darling
1,500 bgs, Gillespie-Rogers-Pyatt Co
1,000 bgs, Stroock & Wittenberg Corp
1,000 bgs, S Winterbourne & Co
220 bgs, O G Innes Corp
1477 bgs, Guaranty Trust Co
2,500 bgs, Stroock & Wittenberg Corp
1,999 bgs, Balfour, Guthrie & Co
KARAYA—200 bgs, Innis, Speiden & Co
333 bgs, Wm Allison & Co
267 bgs, Innis, Speiden & Co
333 bgs, Wm M Allison & Co
LIGNUM VITAE—14 cs, H H Pike & Co, Port Prince
NIGER—149 bgs, Chicle Development Co
HOOFMEAL—1,102 bgs, Montevideo
551 bgs, Montevideo
ILMENITE SAND—4,000 bgs, C Tennant Sons & Co
1,000 tons, C Tennant Sons & Co
2,000 bgs, C Tennant Sons & Co
IPECAC ROOT—12 bgs, R D Heins, Port Limon
10 bgs, N Brandon Co, Port Limon
IRON ORE—3,450 tons, Bethlehem Steel Co, Darquire
OXIDE—228 bbls, Reichard Coulston, Inc
120 bbls, C J Osborn & Co
125 bbls, Irving Trust Co
206 bbls, Reichard Coulston, Inc
635 bbls, C K William & Co
JUNIPER BERRIES—89 bgs, S B Penick & Co
LAUREL LEAVES—86 bales, H J Mayer
1 bales, C B Hirsch, Puerto Barrios
LAVENDER FLOWERS—45 bales, Marine Midland Trust Co
LIQUIDAMBAR—1 dm, Orbis Product Corp, Cristobal
4 dms, Norda Essential Oil & Chem Co, Puerto Cortez
1 dms, Polaks Frutal Works, Puerto Cortez
1 dm, Lo Curto & Funk, Puerto Cortez
LIVER EXTRACT—1 cs, Buenos Aires
LOGWOOD—Quantity, American Dyewood Co, Port de Paix
EXTRACT—20 bgs, American Dyewood Co, Kingston
120 cks, American Dyewood Co, Kingston
21 cks, United Fruit Co, Kingston
120 cks, American Dyewood Co, Kingston
STRAIGHTS—34 tons, American Dyewood Co, Kingston
50 tons, 6 cwt, American Dyewood Co, Kingston
MAGNESIA CHLORIDE—(Correction) In the issue of November 24 F D Weill was credited with 79 bbls, 2,369 lbs, should have read 79 bbls, 49,668 lbs, Speiden-Whitfield Co, Inc, Rio de Janeiro
MANGANESE ORE—1,005 tons, 40 cwt, Goloditz & Co
2 bgs, Philipp Bros
2 bgs, Empire Steel Trad Co
MANGROVE BARK—480 bgs, Tannin Corp
500 bgs, Tannin Corp
EXTRACT—155 cs, Andean Trading Co, Guayaquil
MANIOC FLOUR—500 bgs, Java American Export Co, Santos
MARJORAM LEAVES—80 bgs, A Villagram, Arica
MEDICINAL PREPS—9 cs, Fred Stearns & Co, Buenos Aires
21 cs, E Fongera & Co, Rio de Janeiro
23 cs, D C Andrews & Co, Rio de Janeiro
MICA—72 cs, Flomarcy Co, Victoria
10 cs, Ford Radio & Mica Co, Victoria
7 cs, Merx Foreign Trade Co, Santos
43 cs, Pan American Trade Development Co, Rio de Janeiro
25 cs, Rio de Janeiro
40 cs, A O Schoonmaker Insulation Co, Rio de Janeiro
98 cs, Eugene Munsell & Co, Rio de Janeiro
BLOCK—8 cs, S Cussell
5 cs, American Mica Works
SPLITTINGS—175 cs, Wm Brand & Co
125 cs, Wm Brand & Co
20 cs, Mica Insulator Co
250 cs, Eugene Munsell & Co
MILK POWD—216 cs, Nestles Milk Product, Buenos Aires
NITRATE CRYSTAL—90,700 kilos, Chilean Nitrate Sales Corp, Iquique
2,582 bgs, Chilean Nitrate Sales Corp, Iquique
181,400 kilos, Chilean Nitrate Sales Corp, Iquique
MOLYBDENUM CONC—380 dms, Mines Product Corp, San Antonio
MONAZITE SAND—560 bgs, Rare Mineral & Metal Co, Victoria
NIGER FLAKE—9 dms, Balfour, Guthrie & Co
NUX VOMICA—134 bgs, R J Prentiss & Co
800 bgs, Merck & Co
800 bgs, Carleton & Moffat
400 bgs, H P Winter & Co
OIL, BERGAMOT — 1 cs, Pan American Trade Development Co, Rio de Janeiro
COTTONSEED—320 dms, Gillespie & Co, Cabedello
COTTONSEED, SEMI-REF'D — 874 tons, Santos
ESSENTIAL—12 pkgs, R Sussmann
1 dm, Fritzsche Bros, Kingston
5 dms, H A Sothern, Puerto Barrios
5 cs, J Victori, Havana
4 cs, Havana
15 dms, Norda Essential Oil & Chem Co, Barcelona
2 dms, Geo Lueders & Co, Barcelona
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
80,007 bbls, Standard Oil Co of N J, Aruba
LAVENDER—17 dms, Dodge & Olcott Co
4 dms, National City Bank
4 dms, Dodge & Olcott Co
LEMONGRASS—15 dms, H P Winter & Co
10 dms, Volkart Bros
6 dms, Norda Essential Oil & Chem Co
5 dms, Geo Lueders & Co
5 dms, Norda Essential Oil & Chem Co
3 dms, Orbis Product Co
6 dms, Van Ameringen, Haebler, Inc
9 dms, H P Winter & Co
9 dms, H P Winter & Co
LIME DIST—2 cs, Ungerer & Co, Kingston
34 cs, R S Gamble & Son, Kingston
2 cs, Gillespie & Co, Kingston
2 cs, Geo Lueders & Co, Kingston
14 dms, Ungerer & Co, Trinidad
24 dms, Fritzsche Bros, Trinidad
24 dms, Dodge & Olcott Co, Trinidad
NEATSFOOT—100 dms, W R Grace & Co, Buenos Aires
OITICICA—124 dms, Lenape Trading Co, Cabedello
245 dms, Murray Oil Product Co, Cabedello
OLIVE — 300 dms, Albarosa Co, Buenos Aires
ORANGE—20 cs, Geo Lueders & Co, Kingston
34 cs, Fritzsche Bros, Santos
10 cs, P R Dreyer, Santos
1 crate, Biological Raw Product Co, Santos
28 cs, Magnus, Mabee & Reynard, Santos
10 cs, W J Bush & Co, Santos
322 cs, Norda Essential Oil & Chem Co, Santos
22 cs, Fritzsche Bros, Rio de Janeiro
10 cs, T M Duche & Sons, Rio de Janeiro
6 cs, Magnus, Mabee & Reynard, Rio de Janeiro
6 cs, Fritzsche Bros, Rio de Janeiro
PALM—348 tons, 15 cwt, 4 lbs, United Africa Co
17 dms, United Africa Co
69 dms, J H Redding
2,488 tons, 6 cwt, 2 qtrs, 11 lbs, Balfour, Guthrie & Co
PENNYROYAL—8 dms, Norda Essential Oil & Chem Co, Barcelona
PETITGRAIN—20 dms, Guaranty Trust Co, Buenos Aires
OIL, PIMENTO—2 dms, J A Manton, Kingston
1 dm, Gillespie & Co, Kingston
ROSE — 43 dms, Lloyd Brazilian Line, Belem
56 dms, Belem
SANDALWOOD—13 cs, Magnus, Mabee & Reynard
SASSAFRAS — 4 cs, J Berlage, Rio de Janeiro
2 dms, J Berlage, Rio de Janeiro
ORANGE FLOWER WATER—6 cs, Magnus, Mabee & Reynard, Port au Prince
ORANGE PEEL—50 bgs, Transmarine Mercantile Corp, Cape Haitien
OX GALLS—21 tcs, Buenos Aires
3 tcs, Wilson & Co, Buenos Aires
4 tcs, Wilson & Co, Santos
PAPRIKA—300 bgs, Continental Spice Co
250 bgs, Chase National Bank
200 bgs, Sprague Warner Co
150 bgs, Public National Bank
100 bgs, Archibald & Kendall
100 bgs, J H Forbes Tea & Coffee Co
1 cs, Francisco Flores
100 cs, Atlantic & Pacific Tea Co
PATCHOULI LEAVES — 10 tons, Volkart Bros
PEPPER, BLACK—1,500 bgs, Catz American Co
650 bgs, Otto Gerdau Co
1,500 bgs, Catz American Co
210 bgs, Credo Commodities Co
WHITE—210 bgs, Credo Commodities Co
PIMENTO—50 bgs, Otto Gerdau Co, Kingston
75 bgs, United Fruit Co, Kingston
100 bgs, Otto Gerdau Co, Kingston
100 bgs, Geo Lueders & Co, Kingston
POTASH CHLORATE—50 bbls, Buenos Aires
NITRATE—995 bgs, Chilean Nitrate Sales Corp, Iquique
PYRETHRUM FLOWERS—150 bls, Dodge & Olcott Co
1,274 bls
QUASSIA CHIPS—100 bgs, S B Penick & Co, Kingston
400 bgs, R J Prentiss & Co, Kingston
100 bgs, S B Penick & Co, Kingston
QUEBRACHO EXTRACT—2,203 bgs, R J Vogel Co, Buenos Aires
2,100 bgs, International Product Corp, Buenos Aires
1,235 bgs, Tannin Corp, Buenos Aires
410 bgs, Tannin Corp, Buenos Aires
QUINCE SEED—29 bgs, Irving Truts Co
RHATANY ROOT—60 bgs, A Villagram, Arica
ROCK CRYSTALS—80 cs, L J Buck & Co, Rio de Janeiro
21 cs, Pan-American Trade Development Co, Rio de Janeiro
22 cs, D M Murray Co, Rio de Janeiro
ROSEMARY LEAVES—105 bls
SABADILLA SEED—33 bgs, J Ping Verdayua, La Guaira
SAFFRON FLOWERS—2 cs, Superintendence Co
SAGE LEAVES—80 bls, Botanical, Inc
827 bls
110 bls
29 bls, Credo Commodities Co
SANDALWOOD BILLETS—445 bgs, W J Bush & Co
SCHEELITE ORE—118 bgs, Metal Reserve, Antofagasta
630 bgs, Philipp Bros, Arica
202 bgs, Bank of Manhattan, Buenos Aires
25 dms, Bank of Manhattan, Buenos Aires
50 dms, Bank of Manhattan, Buenos Aires
SENNA LEAVES—50 bls, Volkart Bros
SESAME SEED—1 bg, De Sola Bros, Puerto Cabello
SHELLAC—350 bgs, Mac Lac Co
100 bgs, Cornelis & Suhr
300 bgs, Wm Zinsser & Co
100 cs, Schwab Bros Corp
100 bgs, Gillespie-Rogers-Pyatt Co
100 bgs, Ralli Bros
500 bgs, A Hurst & Co
100 bgs, Mac Lac Co
200 bgs, Mantrose Corp
200 bgs, Dings & Schuster
200 bgs, Mac Lac Co
100 bgs, Cornelis & Suhr
500 bgs, E E Androvette
BUTTONLAC—150 bgs, Gillespie-Rogers-Pyatt Co
150 bgs, Cornelis & Suhr
200 bgs, Commercial National Bank Trust Co
SEEDLAC—250 bgs, Gillespie-Rogers- Pyatt Co
100 bgs, Mac Lac Co
100 bgs, Wm Zinsser & Co
200 bgs, Dings & Schuster
100 bgs, Schwab Bros Corp
500 bgs, Gillespie-Rogers-Pyatt Co
200 bgs, Mac Lac Co
200 bgs, Lings & Schuster
500 bgs, Mac Lac Co
100 bgs, Wm Zinsser & Co
400 bgs, Ralli Bros
SOAP—100 cs, Buenos Aires
30 cs, Buenos Aires
SOAPBARK—548 bls, S B Penick & Co, San Antonio
SODA NITRATE—18,421 kilos, Chilean Nitrate Sales Corp, Tocopilla
9,972 bgs, Chilean Nitrate Sales Corp, Tocopilla
1,000,000 kilos, Chilean Nitrate Sales Corp, Tocopilla
STEATITE—430 bgs, Heyman & Co
STRAMONIUM LEAVES—14 bls, O B Hirsch & Co, Puerto Barrios

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
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TALLOW—198 tcs, Wilson & Co, Buenos Aires
58 cks, H J Baker & Bro, Buenos Aires
TANKAGE—2,240 bgs, Rio de Janeiro
2,204 bgs, Armour & Co, Montevideo
1,102 bgs, Wesel, Duval & Co, Montevideo
500 bgs, Montevideo
TANTALITE—38 bgs, Cabedello
TAPIOCA FLOUR—1,700 bgs, Grace National Bank, Rio de Janeiro
2,116 bgs, Corn Product Refg Co, Puerto Plata
TARTAR—22 bgs, British American & Eastern Co, Valparaiso
287 bgs, Charles Pfizer & Co, Buenos Aires
444 bgs, Charles Pfizer & Co, Buenos Aires
579 bgs, Charles Pfizer & Co, Buenos Aires
THYME LEAVES—200 bls, S B Penick & Co
149 bls
100 bls, S B Penick & Co
TIN & WOLFRAM ORE—572 bgs, Wah Chang Trading Corp, Antofagasta
781 bgs, American Smelting & Refg Co, Antofagasta
TONKA BEANS—10 cks, Irving Trust Co, Port Spain
TURMERIC FINGERS—205 bgs, L E Ransom & Co
VANADIUM—3,396 bgs, Vanadium Corp of America, Callao
VETIVER—28 bgs, South Extract Co, Port au Prince
40 aeroons, Peek & Velsor, Cape Haitien
WAX, BEES—55 bgs, D Steengrafe, Rio de Janeiro
57 bgs, D Steengrafe, Rio de Janeiro
66 blocks, American Cyanamid & Chem Co, Rio de Janeiro
39 bgs, W R Grace & Co, Valparaiso
9 bgs, Pan American Import & Export Co, Puerto Barrios
454 pkgs, Balfour, Guthrie & Co
151 bgs, Smith-Weihman Co
151 bgs, Strahl & Pitsch
465 bgs, Balfour, Guthrie & Co
580 bgs, G B Ollivant
712 bgs, Industrial Sales Corp
893 bls, Industrial Sales Corp
26 bgs, Port au Prince
28 cs, Granta Trading Co, Buenos Aires
24 tgs, New York & Porto Rico S S Co, Trujillo
11 bgs, Lenape Trading Co, Trujillo
19 bgs, Schutte & Focke, Trujillo
CARNAUBA—55 bgs, Midway Chem Co, Rio de Janeiro
112 bgs, American Cyanamid & Chem Co, Recife
56 bgs, Wessel, Duval & Co, Recife
55 bgs, Wessel, Duval & Co, Natal
56 bgs, American Cyanamid & Chem Co, Natal
56 bgs, Guaranty Trust Co, Natal
112 bgs, Distributing & Trade Co, Natal
112 bgs, American Cyanamid & Chem Co, Natal
112 bgs, Innis, Speiden & Co, Rio de Janeiro
68 bgs, Wm M Allison & Co, Bahia
250 bgs, Strohmeyer & Arpe Co, Bahia
126 bgs, Strohmeyer & Arpe Co, Bahia
WOLFRAM ORE — 440 bgs, Wah Chang Trading Corp, Arica
224 bgs, Wah Chang Trading Corp, Arica
500 bgs, Wah Chang Trading Corp, Antofagasta
200 bgs, Metal Reserves, Antofagasta
WOLFRAMITE—224 bgs, Bank of Manhattan, Buenos Aires
424 bgs, Irving Trust Co, Buenos Aires
40 dms, Bank of Manhattan, Buenos Aires
ZINC OXIDE—8 cks, Les Parfums de Dana, Buenos Aires
ZIRCON SAND—1,000 bgs, Foote Mineral Co

New York Transit Imports

BRISTLE FIBER—15 tons, Volkart Bros, to Boston
COTTON LINTERS—300 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
DOGWOOD ROOT BARK—34 bgs, Parke, Davis & Co, Kingston, Detroit
ERGOT—30 cs, Eli Lilly & Co, Indianapolis
GLANDS, PORK, THYROID—10 cs, Parke, Davis & Co, Buenos Aires, Detroit
SUPRARENAL—45 cs, Wilson Lab, Buenos Aires, Chicago
GUM ARABIC—500 bgs, to Montreal
200 bgs, to Ontario
150 bgs, to Toronto
COPAL — 8,005 bgs, Reichhold Chemical, Inc, to Detroit
IPECAC ROOT—19 bgs, Parke, Davis & Co, Cristobal, Detroit
MANGANESE ORE — 5,600 tons, Electro Metallurgical Co, to Canada
3,000 tons, E J Lavino & Co, to Norfolk
3,000 tons, E J Lavino & Co, to Norfolk
MONAZITE SAND—2,000 bgs, Lindsay Light & Chem Co, Chicago
OIL, COTTONSEED, SEMI-REF'D — 1,603 tons, West Texas Cotton Oil Co, Santos, Houston
17,655 kilos, West Texas Cotton Oil Co, Santos, Houston
LEMONGRASS — 8 dms, Maywood Chem Works, Maywood
12 dms, Maywood Chem Works, Maywood
PALM—600 tons, Balfour, Guthrie & Co, to Canada
113 dms, to Ohio
139 dms, to Ohio
PYRETHRUM FLOWERS—10 bls, to Montreal
SHELLAC—100 bgs, Parks Co, Boston
250 bgs, Parks Co, Boston
SEEDLAC—400 bgs, Parks Co, Boston
200 bgs, Parks Co, Boston
TEAWASTE — 4,061 bgs, Maywood Chem Works, Maywood

Baltimore Imports

CHROME ORE—4,971 tons, Lourenco Marques
1,600 tons, Baracoa
5,498 tons, Lourenco Marques
8,460 tons, Lourenco Marques
IRON ORE—22,500 tons, Bethlehem Steel Co, Cruz Grande
22,000 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—2,100 tons, Busuanga
8,250 tons, Rio de Janeiro
4,500 tons, Vizagapatam
3,750 tons, Santiago, Cuba
4,000 tons, Calcutta
3,400 tons, Calcutta
3,170 tons, Calcutta
OIL, FUEL—116,000 bbls, Standard Oil Co N J, Aruba
PETROLEUM, CRUDE—29,348 bbls, Tampico
TANKAGE—4,200 bgs, Santos
ZINC CONCENTRATES—4,250 tons, Santa Fe
4,304 tons, Buenos Aires
8,611 tons, Callao

New Orleans Imports

COCOA BEANS—82 tons, Puerto Limon
COCONUTS—354 tons, Belize
37 tons, Tela
GUM CHICLE—155 tons, Belize

Philadelphia Imports

CORKWOOD—17,102 bales, Armstrong Cork, Casabalanca
CHROME ORE—1,430 tons, Order, Nulvitas
509 tons, Order, Lourenco Marques
13,000 tons, E J Lavino, Beira
1,230 tons, E J Lavino, Bahia
MANGANESE ORE—8,000 tons, Takoradi
1,230 tons, Bahia
MOLASSES—481,937 gals, E I du Pont de Nemours Co, Guanica
835,863 gals, E I du Pont De Nemours Co, Bufadero
1,888,580 gals, Publicker Alcohol, Havana
1,400,442 gals, Publicker Alcohol, Preston
PETROLEUM CRUDE—168,726 bbls, Sinclair Refining Co, Tuxpam
87,025 bbls, Gulf Oil Corp, Las Piedras
121,348 bbls, Gulf Oil Corp, Puerta LaCruz
80,560 bbls, Gulf Oil Corp, Puerta LaCruz
SODA NITRATE—81,550 bgs, Chilian Nitrate Co, Iquique
WATTLE BARK BLACK—278 bales, The Tannin Corp, Durban

U. S. Exports

New Orleans Exports

ACID, STEARIC—30 tons, Puerto Barrios; 16 tons, Vera Cruz
ALUMINA SULPHATE—10 tons, Barranquilla; 31 tons, Vera Cruz
BARYTES—255 tons, West Coast South America
BORAX—9 tons, Puerto Cabezas
CALCIUM ARSENATE—17 tons, Cristobal
PHOSPHATE—6 tons, Vera Cruz
GASOLINE—152 tons, Cartagena; 17 tons, Cristobal; 116 tons, Belize; 110 tons, Puerto Barrios
KEROSENE—46 tons, Belize; 158 tons, Puerto Barrios
LARD—18 tons, Cristobal; 52 tons, Havana
LIME—11 tons, Puerto Barrios
OIL, COCONUT—25 tons, Cristobal
DIESEL—50 tons, Belize; 85 tons, Ceiba; 71 tons, Puerto Cabezas; 143 tons, West Coast South America
FUEL—342 tons, Ceiba
GAS—10 tons, Belize
LUBRICATING—14 tons, Kingston; 38 tons, Puerto Barrios; 27 tons, Havana; 257 tons, West Coast South America
PARAFFIN—93 tons, Cristobal; 20 tons, Puerto Barrios
ROSIN—20 tons, Barranquilla; 32 tons, Cartagena; 10 tons, Cristobal; 128 tons, West Coast South America; 58 tons, East Coast South America
SODA CAUSTIC—18 tons, Vera Cruz
SULPHUR—26 tons, Vera Cruz
TALLOW—18 tons, Puerto Barrios
ZINC DUST—24 tons, Vera Cruz
SHAVING—11 tons, East Coast South America

Philadelphia Exports

ACID PHOSPHORIC—69 dms, Santos
BENZOL—55 dms, Rio de Janeiro; 5 dms, Buenos Aires
BRAKE FLUID—5 cs, Rio de Janeiro; 1 dm, Santos
CHROME BRICK—182 bxs, Buenos Aires
CORKWOOD—17,704 bls, Lisbon
GASOLINE—30 dms, Buenos Aires
GLUE LIQUID—1 ctn, Santos
GREASE, LUBRICATING—48 ctns, Rio de Janeiro; 214 cs, Rio de Janeiro; 32 dms, Rio de Janeiro; 203 pails, Rio de Janeiro; 70 bbls, Rio de Janeiro; 1 bbl, Santos; 40 ctns, Santos; 1 cs, Santos; 6 dms, Santos; 5 pails, Santos; 6 ctns, Ceara; 5 cs, Ceara; 20 bbls, Pernambuco; 7 buckets, Pernambuco; 350 ctns, Pernambuco; 60 cs, Pernambuco; 65 dms, Pernambuco; 120 cnts, Cabedello; 30 cs, Cabedello; 195 dms, Cabedello; 4 buckets, Natal; 2 bbls, Maceio; 3 buckets, Maceio; 5 ctns, Maceio
IRON OXIDE—40 bgs, Buenos Aires
MINERAL SPIRITS—15 cs, Maranhao; 200 dms, Rio de Janeiro
OIL—4 bbls, Santos;
BLACK—40 dms, Pernambuco
LUBRICATING—4 cs, Maranhao; 19 dms, Maranhao; 60 ctns, Ceara; 51 cs, Ceara; 147 dms, Ceara; 2,155 ctns, Pernambuco; 161 cs, Pernambuco; 1,824 dms, Pernambuco; 630 ctns, Cabedello; 50 cs, Cabedello; 489 dms, Cabedello; 27 cnts, Natal; 9 cs, Natal; 22 dms, Natal; 78 cs, Maceio; 96 dms, Maceio; 1,537 cs, Rio de Janeiro; 5,273 ctns, Rio de Janeiro; 4,323 dms, Rio de Janeiro; 110 pails, Rio de Janeiro; 100 ctns, Santos; 62 dms, Santos;
MOTOR—24 ctns, Rio de Janeiro; 92 dms, Rio de Janeiro; 51 ctns, Santos; 48 dms, Santos
PAINT—14 dms, Santos; 86 pails, Santos
POLISH—1 pail, Santos
SODA CAUSTIC—186 dms, Santos; 65 dms, Buenos Aires
VARNISH—2 bxs, Buenos Aires
WAX REFINED—1 cs, Maceio; 4 ctns, Maceio
UNREFINED—90 cs, Rio de Janeiro; 10 ctns, Rio de Janeiro
XYLOL, INDUSTRIAL — 110 dms, Buenos Aires

Fertilizer Materials

Markets at Other Centers

—*Continued from page 63*

Bone Materials. — Ground, steamed bone, 1¼ and 60 percent, $40 to $41; 3 and 50 percent, $38 to $39; 4½ and 50 percent, $39 to $40; grinding hoofs, pigs' toes and waste horn materials, $40 to $42.50; cattle jaws, skulls and knuckles, $40 to $45; pork cracklings, soft pressed, $55 to $57.50; beef cracklings, soft pressed, $52.50 to $55; hard pressed cracklings, per unit of protein, $1 to $1.05.

San Francisco—Dec. 5

The trade is generally quiet and the markets are without feature. Some upward revision is looked for in superphosphate prices after the first of the year.

Nitrate of Soda.—Unchanged. In good demand.

Superphosphate.—Domestic, 83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

Fish Meal.—Slow. San Francisco Bay area production, 67 percent protein, $61 per ton, December shipment.

Tankage.—Market steady, with little interest.

Blood Meal.—Los Angeles market quoted at $3.95 to $4 per unit.

Bone Meal.—Prices ranging from $45 to $55 per ton, delivered.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—54,387 bbls, Seattle; 5,704 bbls, San Diego; 2,975 bbls, San Diego; 2,158 bbls, San Diego; 11,085 bbls, Richmond; 40,717 bbls, Seattle; 34,482 bbls, Seattle; 32,012 bbls, Seattle; 17,679 bbls, Seattle; 23,451 bbls, Richmond; 13,932 bbls, San Diego; 2,896 bbls, San Diego
KEROSENE—5,669 bbls, Seattle
OIL, DIESEL—21,763 bbls, Seattle; 39,873 bbls, Seattle; 21,415 bbls, Seattle; 3,313 bbls, Seattle
FUEL—69,061 bbls, Portland; 4,000 bbls, Seattle; 25,562 bbls, Richmond
FURNACE—15,786 bbls, Seattle; 8,010 bbls, Seattle; 4,428 bbls, Seattle
SOLVENTS—2,172 bbls, Seattle

Dry Colors Price Ceiling Established

—*Continued from page 3*

ment as yet, it is expected that Price Administrator Leon Henderson will call a meeting about December 17 to discuss a price agreement covering the next quarter. The list issued today showing prices as of October 1 follows:—

Blues and Violets

	Per pound.
C. P. iron blues	$0.36
Permanent peacock blue toners—	
Green shade tungstic	4.00
Green shade molybdic	3.50
Red shade tungstic	5.25
Victoria blue toners, tungstic	3.30
Victoria blue toners, molybdic	3.15
Non-permanent peacock blue—	
Bleeding type	.52
Non-bleeding type	.55
Violet toners, tungstic	2.10
Violet toners, molybdic	1.25

Yellows and Oranges

C. P. chrome yellows and oranges	.16
Molybdate oranges	.31
Zinc chromate	.17½
Hansa yellow toners	1.37
Dinitroaniline orange toner	1.05
Orthonitroaniline toner	.80
Persian orange	.40
Tartrazine lake	.52
Chinoline yellow lake	.85
Quercitron yellow toner	.60
Benzidine yellow toners	1.35
Acid orange lake	.65

Greens

C. P. chrome greens (depending on shade)	.23 to
Reduced chrome greens (depending on strength)	.06½ to .09
Malachite green toner, tungstic	2.60
Brilliant green toner, tungstic	3.00
Brilliant green-thioflavine toner, Tungstic	3.75
Molybdic	3.25
Malachite green-thioflavine toner, Tungstic	3.50
Molybdic	3.00
Acid green lakes	1.10
C. P. chromium oxides (depending on quality)	.23½ to .27
Hydrated chromium oxides (depending on quality)	.70 to .85

Reds and Maroons

C. P. para toners	.70
Chlorinated para toner	.85
C. P. toluidine toner	1.05
C. P. lithol toners	.60
Red for lake C toners	.90
Rhodamine toners	4.15
Lithol rubine toners	1.10
Pigment scarlet	.85
Acid scarlet lake	.35
Eosine toner	1.35
Bordeaux lake	.30
Madder Lake—	
Yellow shade	1.80
Blue shade	1.30
Helio bordeaux maroon	1.30
B.O.N. maroons	1.25
Alphanaphthylamine toner	.80
N.N.P.T. maroon	3.25
Pigment rubine	1.90

Standard Oil Company of Louisiana has been denied by the Supreme Court of the United States a rehearing in its suit against Tennessee involving the State's inspection tax on petroleum products brought into the State and temporarily stored for export.

LEADING THE WORLD IN CHEMICALS

The United States makes more chemicals — measured either in tons or dollars—than Germany, England, France, Italy, Japan and Russia put together, an authoritative commentator on the chemical industry has written.

Along with producing more chemicals than anyone else, we have become by far the greatest chemical user in the world. The chemical consumption of the milltown of Pawtucket, R. I., has been estimated to be larger than that of the whole continent of South America.

A leading raw material in the manufacture of chemicals is Sulphur. At our mines in Louisiana and Texas we have ample above-ground stocks of crude Sulphur — free from arsenic, selenium and tellurium and better than 99½ per cent pure.

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WELL ESTABLISHED jobbing firm in South Texas already representing a number of top-flight chemical accounts can handle additional lines. We invite inquiries from manufacturers of chemicals for distribution through established channels. BOX 381, Houston, Texas.

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 497, Oil, Paint and Drug Reporter.

Capital Offered

CHEMICAL WHOLESALERS will invest $10,000-$20,000 in expansion or outright purchase of chemical manufacturing laboratory (pharmaceutical chemicals only). BOX 490, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE:—One, Day 12x32 in. 5 roller mill, motor driven; pony mixers 8 to 30 gals.; three, Kent 8 in. lab. stone mills; three, Ross, 26 in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo jacketed mixers, 700 and 1,250 gals.; thirty, filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W.&P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers; Sweetland, filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York, N. Y.

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

STAINLESS STEEL tanks, 50, 100, 200 gals., new, with bottom outlet and stands. Manton Gaulin homogenizer CG-75, stainless cylinder, late model. No. 7 Sweetland filter. Patterson pebble mill, 24 in. by 36 in., lined. Copper tank, 66 in. by 7 ft. high with coils and agitator. Steam jacketed steel tank, 9 ft. dia. by 5 ft. deep, with agitator, new. Six glass lined tanks, 4,000 gals. each. Hottman mixer, steam jacketed, 150 gal. Six crocks, 50 gal., with side outlet at bottom. Two portable agitators, ¼ h.p., with stainless shaft and propellers. One stapper filter, 30 plates. One Sprout Waldron burr mill. One copper evaporator, 250 gal. One copper recovery still, 80 gal. H. Loeb & Son, 4603 Lancaster avenue, Philadelphia, Pa.

FOR SALE: Pallmann grinder (centrifugal, stone mill, 52 in. diameter) for coarse, fine and superfine milling of grain, husks, shells, or refuse-wood, cork, asbestos, oil cake, leather scrap, charcoal, reclaimed rubber, and clays. BOX 498, Oil, Paint and Drug Reporter.

FOR SALE: Two open steel tanks, 4 ft. wide by 8 ft. long by 3 ft. long. S. Stein & Sons, 92 Orchard street, New Haven, Conn.

Equipment Offered

AVAILABLE NOW: Inconel atmospheric drum dryer, 20 in. by 17 in.; Buffalo foundry vacuum drum dryer, 48 in. by 40 in.; Kiefer 12 stem rotary vacuum filler; jacketed copper vacuum pans, 30 in. and 36 in.; Day 100 lb. to 800 lb. capacity sifters and mixers; 12 in., 18 in. and 30 in. Shriver and Sperry filter presses; 12 ft. and 30 ft. belt conveyors; 150 and 500 gal. stainless steel tanks; new 50 and 100 gal. glass lined tanks; copper and aluminum steam jacketed kettles. Defense plants need your surplus. Send us your lists. Machinery & Equipment Corporation, 59 E. 4th street, New York City.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 468, Oil, Paint and Drug Reporter.

SPRAY DRYER, A-1 shape; state all details, size, age, price. BOX 491, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, 47,000 sq. ft., sprinklers, large elevator, loading platform, drains throughout, light four sides, ample well water, high pressure boiler (oil burner). Rent, 16c. ft. Unrestricted district Brooklyn. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Farm Offered

JUNIPER BERRIES, 200 acres bearing juniper berries with excellent ten-room house, $3,500. Details given on inquiry. Address P. O. BOX 17, West Minot, Me.

Manufacturing Wanted

RESPONSIBLE MANUFACTURER of paints, varnishes, etc., will manufacture materials on a cost plus basis or on government specifications. Have large plant with excellent manufacturing and laboratory facilities. Write us of your needs BOX 480, Oil, Paint and Drug Reporter.

Materials Offered

FAIR SIZED quantities crude drugs such as arnica flowers, licorice extract—also solid, henbane leaves and roots, powder extract highly concentrated, oleo resin of ginger extract, belladonna root and leaves powder extract 3X concentrated, imported in original sealed containers. Will dispose of same at a fair price. Write for information. BOX 493, Oil, Paint and Drug Reporter.

"LUCIPHOR" luminous pigments, long brilliant afterglow, chemically stable, fine crystals, various shades and colors, luciphor (reg. and pats. pending) luminous pigments for paints and plastics. Write Luciphor, Inc., 114 East 28th street, New York, N. Y.

Materials Offered

FOR SALE: 1,000 tons ground talc, equal to Italian; 200 tons ground olivine; 250 tons strontianite; 400 tons residue containing 3 percent V205 and 4 percent nickel; 1,000 lbs. rich mercury ore. BOX 488, Oil, Paint and Drug Reporter.

JUNIPER BERRIES, direct from fields to you. Attend your present need before snowfall that retards pickers' production. Your valued inquiries given prompt attention. Address BOX 17, Glenacres, West Minot, Maine.

WAXES, carnauba, montan, bleached and black, Japan, ceresin and beeswax substitutes. We have manufactured and compounded vegetable and mineral waxes for over 25 years. Our quality waxes are staple, deliveries are prompt and dependable. Samples and specifications sent on request. Waxolite Products, Inc., 508 W. 37th street, New York.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

FOOD CHEMICALS—Vanillin or ethyl vanillin for food purposes. Quote price, cash. BOX 469, Oil, Paint and Drug Reporter.

Positions Vacant

VITAMIN DEPARTMENT of a well-established and reputable firm needs a thoroughly experienced man to take charge. Exceptional opportunity. State education, qualifications, and present connection. Replies confidential. BOX 481, Oil, Paint and Drug Reporter.

EXPERIENCED A-1 SALESMAN wanted to sell mineral colors to paint and allied manufacturing trades. Gentile. Technical education preferred but not essential. Straight salary plus expenses. State age, experience and previous earnings, with photograph if possible. BOX 485, Oil, Paint and Drug Reporter.

EXCELLENT OPPORTUNITY with growing chemical company for an experienced salesman having following in cosmetic and paint industry and export connections. Salary and commission. Satisfactory references required. Application with full details. BOX 489, Oil, Paint and Drug Reporter.

PAINT CHEMIST: Manufacturer in Jersey City has opening for technically trained and thoroughly experienced man to manufacture a complete line of paints and varnishes for the store trade. Must have knowledge of modern methods, latest types synthetics, and be able to assume full responsibility from raw materials through finished products. State fully in first letter age, academic and industrial experience, salary desired. BOX 487, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMIST with practical manufacturing experience in soap-making (preferably toilet soaps) wanted for soap factory in Union of South Africa; must also have knowledge of vegetable oils, including hydrogenation and compound feeding cakes; write giving very complete details of past experience, connections and salary. BOX 492, Oil, Paint and Drug Reporter.

MARINE PAINT salesman with following wanted. Salary and commission basis. BOX 495, Oil, Paint and Drug Reporter.

YOUNG MAN, age 21-30, for sales work in metropolitan New York and New Jersey, married man preferred, Christian. Good salary and great possibilities for advancement with old established chemical company. Include full details in letter. Replies confidential. BOX 496, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL SALESMAN—Chemical engineer with seven years' of chemical sales experience seeks connection with future; preferably out of town. Go anywhere in U. S. Highest type references. BOX 475, Oil, Paint and Drug Reporter.

PHARMACEUTICAL CHEMIST, married, university graduate. Past five years with nationally known pharmaceutical house. Thoroughly experienced in pharmaceutical research and control, tablet and ampul manufacturing, new product development and "trouble shooting." Seek position in production or laboratory. BOX 486, Oil, Paint and Drug Reporter.

Processes Offered

NO-RUBBING FLOOR wax manufacturing process offered. Uses readily obtainable substitute raw materials, simple procedure. Shows saving in production costs. Emulsion produces lasting, water-repellent luster following application. BOX 494, Oil, Paint and Drug Reporter.

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CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42d street, New York City.

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HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

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WAREHOUSE SPACE with chemical firm, handling and delivery service optional, all railroad facilities available, ample dock space for truck unloading, complete sprinkler system, low fire insurance rates, easily accesible main highways. BOX 381, Houston, Texas.

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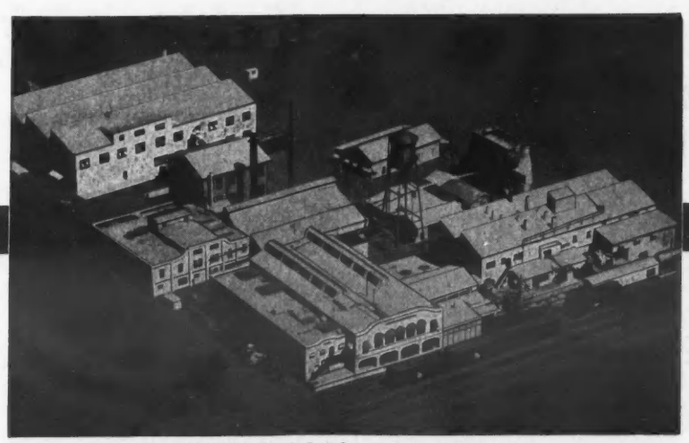

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